TFT-LCD MONITOR

Chassis **Model**
RB19NS **192MP**

SERVICE Manual

TFT-LCD MONITOR

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1 Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1 Safety Precautions

1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC Power Jack before servicing.

1-1-2 Servicing the LCD Monitor

1. PBA and panel components are very sensitive to static electricity. Always wear anti-static gloves when handling PBA or panel. Use an anti-static wrist strap and/or work bench. Keep parts in protective bags until ready for use.
2. Do not use or apply excessive force when handling panel. Damage to liquid crystal display may result from improper handling.

1-1-3 Fire and Shock Hazard

Before returning the monitor to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):
   WARNING: Do not use an isolation transformer during this test.
   Use a leakage current tester or a metering system that complies with American National Standards Institute (*ANSI C101.1, Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

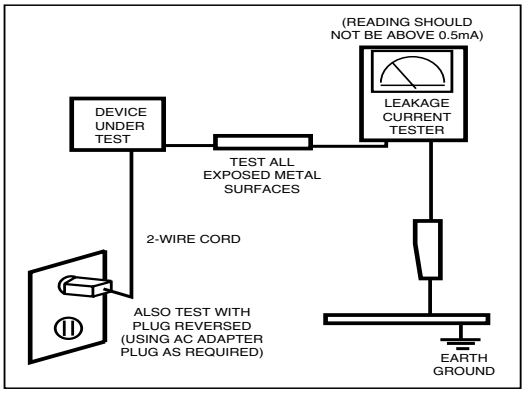


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

WARNING: **An electrolytic capacitor installed with the wrong polarity might explode.**

Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
   (a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

2 Product Specifications

2-1 Specifications

Item	Description	
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally black, 19-Inch viewable, 0.294 mm pixel pitch	
Scanning Frequency	Horizontal : 31 kHz ~ 81 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7 Million colors	
Maximum Resolution	Horizontal : 1280 Pixels Vertical : 1024 Pixels	
Input Video Signal	Analog 0.7 Vp-p ± 5% positive at 75 Ω, internally terminated	Digital : TMDS
Input Sync Signal	Type : Separate H/V Sync-on-Green, automatic synchronization without external switch of sync type Level : TTL level	
Maximum Pixel Clock rate	140 MHz	
Active Display Horizontal/Vertical	376.32(H) mm / 301.05(V) mm	
AC power voltage & Frequency	AC 100 ~ 264 Volts (±10%), 60 / 50 Hz ± 3 Hz	
Power Consumption	62 W (Max), (2W Power)	
Dimensions (W x H x D) Set Package	 17.0 x 17.2 x 7.8 Inches (433 x 436 x 198 mm) 20.9 x 21.8 x 6.5 Inches (532 x 553 x 165 mm)	
Weight(Set/Package)	5.9 kg (13.0 lbs) / 8.9 kg (19.6 lbs)	
Environmental Considerations	Operating Temperature : 50 °F ~ 104 °F (10 °C ~ 40 °C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4 °F ~ 113 °F (-20 °C ~ 45 °C) Storage Humidity : 5 % ~ 95 %	
TV System	Tuning	Frequency Synthesize
	Color	NTSC
	Sound	N
Autenna Input	75Ω, Coaxial Cable	
	– MAX Internal speaker Out : Right => 5W Left => 5W	
Sound Characteristic	– BASS Control Range : -12dB~ + 12dB – TREBLE Control Range : -12dB~ + 12dB – Headphone Out : RF => 5mW max (400m Vrms) A/V => 10mW max (580 Vrms), Max Input sound : -9 dBm – Output Frequency (TBD) : RF => 100 Hz ~ 15 kHz A/V => 100 Hz ~ 15 kHz	

2-2 Pin Assignments

Sync Type / Pin No.	15 Pin signal cable connector	
	Separate H/V	**Composite H/V**
1	Red	Red
2	Green	Green
3	Blue	Blue
4	GND	GND
5	GND (DDC Return)	GND (DDC Return)
6	GND-Red	GND-Red
7	GND-Green	GND-Green
8	GND-Blue	GND-Blue
9	No Connection	No Connection
10	GND-Sync/Self Test	GND-Sync/Self Test
11	GND	GND
12	DDC Data	DDC Data
13	Horizontal Sync	H/V Sync
14	Vertical Sync	Not Used
15	DDC Clock	DDC Clock

Sync Type / Pin No.	24 - Pin DVI - D (TMDS)		
1	Rx2-	13	No Connection
2	Rx2+	14	DDC Power Input (+5V)
3	GND	15	Self Raster
4	No Connection	16	Connection Signal Output (+5V)
5	No Connection	17	Rx0-
6	DDC Clock (SCL)	18	Rx0+
7	DDC Data (SDA)	19	GND
8	No Connection	20	No Connection
9	Rx1-	21	No Connection
10	Rx1+	22	GND
11	GND	23	RxC+
12	No Connection	24	RxC-

2-3 Timing Chart

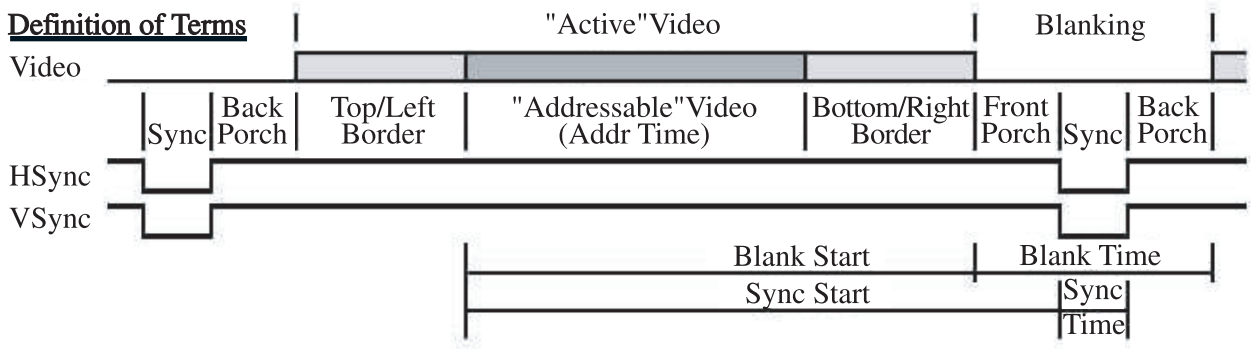
The timing no. is standardizde by Samsung to apply the same signal to all monitors manufactured by Sam sung

2-3-1 LCD Panel Mode : 1 mode

* N/I : Non-Interlaced, I : Interlaced

Table 2-1 Timing Chart

Originator	VESA
Mode Name	1280/60Hz
Resolution (HxV)	1280x1024
HORIZONTAL	
Frequency	63.981kHz
Total time	11.852 μs
Active time	9.259 μs
Blank time	3.778 μs
Border (L / R)	0.000 μs
Data time	9.259 μs
Front porch	0.444 μs
Sync. width	1.037 μs
Back porch	2.296 μs
Sync. polarity	Positive
VERTICAL	
Frequency	60.020Hz
Total time	16.005ms
Active time	15.630ms
Blank time	0.375ms
Border (T / B)	0.000ms
Data time	15.630ms
Front porch	0.016ms
Sync. width	0.047ms
Back porch	0.594ms
Sync. polarity	Positive
Dot Clock	108.00MHz
Sync. Type	Separate
Scan Type*	N/I



2-3-2 Supported Modes (1)

Any timing modes that can be formed within the operating horizontal and vertical frquency range.

Table 2-2 Timing Chart

Originator	IBM	IBM	IBM	MAC	VESA
Mode Name	VGA1	VGA2	VGA3	640/67Hz	640/72Hz
Resolution (HxV)	640x350	720x400	640x480	640x480	640x480
HORIZONTAL					
Frequency	31.469kHz	31.469kHz	31.469kHz	35.000kHz	37.861kHz
Total time	31.778μs	31.777μs	31.778μs	28.571μs	26.413μs
Active time	26.058μs	26.058μs	26.058μs	21.164μs	20.825μs
Blank time	5.720μs	5.720μs	5.720μs	7.407μs	5.588μs
Border (L / R)	0.318μs	0.318μs	0.318μs	0.000μs	0.254μs
Data time	25.422μs	25.422μs	25.422μs	21.164μs	20.317μs
Front porch	0.318μs	0.318μs	0.318μs	2.116μs	0.508μs
Sync. width	3.813μs	3.813μs	3.813μs	2.116μs	1.270μs
Back porch	1.589μs	1.589μs	1.589μs	3.175μs	3.810μs
Sync. polarity	Positive	Negative	Negative	Negative	Negative
VERTICAL					
Frequency	70.086Hz	70.087Hz	59.940Hz	66.667Hz	72.809Hz
Total time	14.268ms	14.268ms	16.683ms	15.000ms	13.735ms
Active time	11.504ms	13.155ms	15.761ms	13.714ms	13.100ms
Blank time	2.764ms	1.113ms	0.922ms	1.286ms	0.635ms
Border (T / B)	0.191ms	0.222ms	0.254ms	0.000ms	0.211ms
Data time	11.122ms	12.711ms	15.253ms	13.714ms	12.678ms
Front porch	0.985ms	0.191ms	0.064ms	0.086ms	0.026ms
Sync. width	0.064ms	0.064ms	0.064ms	0.086ms	0.079ms
Back porch	1.716ms	0.858ms	0.794ms	1.114ms	0.528ms
Sync. polarity	Negative	Positive	Negative	Negative	Negative
Dot Clock	25.175MHz	28.322MHz	25.175MHz	30.240MHz	31.500MHz
Sync. Type	Separate	Separate	Separate	Separate Composite	Separate
Scan Type	N/I	N/I	N/I	N/I	N/I

2-3-3 Supported Modes (2) (continued from previous page)

Table 2-3 Timing Chart

Originator Mode Name Resolution (HxV)	VESA 640/75Hz 640x480	VESA 800/56Hz 800x600	VESA 800/60Hz 800x600	VESA 800/72Hz 800x600	VESA 800/75Hz 800x600
HORIZONTAL					
Frequency	37.500kHz	35.156kHz	37.879kHz	48.077kHz	46.875kHz
Total time	26.667μs	28.444μs	26.400μs	20.800μs	21.333μs
Active time	20.317μs	22.222μs	20.000μs	16.000μs	16.162μs
Blank time	6.350μs	6.222μs	6.400μs	4.800μs	5.171μs
Border (L / R)	0.000μs	0.000μs	0.000μs	0.000μs	0.000μs
Data time	20.317μs	22.222μs	20.000μs	16.000μs	16.162μs
Front porch	0.508μs	0.667μs	1.000μs	1.120μs	0.323μs
Sync. width	2.032μs	2.000μs	3.200μs	2.400μs	1.616μs
Back porch	3.810μs	3.556μs	2.200μs	1.280μs	3.232μs
Sync. polarity	Negative	Positive or Negative	Positive	Positive	Positive
VERTICAL					
Frequency	75.000Hz	56.250Hz	60.317Hz	72.188Hz	75.000Hz
Total time	13.333ms	17.778ms	16.579ms	13.853ms	13.333ms
Active time	12.800ms	17.067ms	15.840ms	12.480ms	12.800ms
Blank time	0.533ms	0.711ms	0.739ms	1.373ms	0.533ms
Border (T / B)	0.000ms	0.000ms	0.000ms	0.000ms	0.000ms
Data time	12.800ms	17.067ms	15.840ms	12.480ms	12.800ms
Front porch	0.027ms	0.028ms	0.026ms	0.770ms	0.021ms
Sync. width	0.080ms	0.057ms	0.106ms	0.125ms	0.064ms
Back porch	0.427ms	0.626ms	0.607ms	0.478ms	0.448ms
Sync. polarity	Negative	Positive or Negative	Positive	Positive	Positive
Dot Clock	31.500MHz	36.000MHz	40.000MHz	50.000MHz	49.500MHz
Sync. Type	Separate	Separate	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I	N/I	N/I

2-3-4 Supported Modes (3) (continued from previous page)

Table 2-4 Timing Chart

Originator	MAC	VESA	VESA	VESA	VESA
Mode Name	832/75Hz	1024/60Hz	1024/70Hz	1024/75Hz	1152/75Hz
Resolution (HxV)	832x624	1024x768	1024x768	1024x768	1152x864
HORIZONTAL					
Frequency	49.726kHz	48.363kHz	56.476kHz	60.023kHz	67.500kHz
Total time	20.110μs	20.677μs	17.707μs	16.660μs	14.815μs
Active time	14.524μs	15.754μs	13.653μs	13.003μs	10.667μs
Blank time	5.586μs	4.923μs	4.054μs	3.657μs	4.148μs
Border (L / R)	0.000μs	0.000μs	0.000μs	0.000μs	0.000μs
Data time	14.524μs	15.754μs	13.653μs	13.003μs	10.667μs
Front porch	0.559μs	0.369μs	0.320μs	0.203μs	0.593μs
Sync. width	1.117μs	2.092μs	1.813μs	1.219μs	1.185μs
Back porch	3.910μs	2.462μs	1.920μs	2.235μs	2.370μs
Sync. polarity	Negative	Negative	Negative	Positive	Positive
VERTICAL					
Frequency	74.551Hz	60.004Hz	70.069Hz	75.029Hz	75.000Hz
Total time	13.414ms	16.666ms	14.272ms	13.328ms	13.333ms
Active time	12.549ms	15.880ms	13.599ms	12.795ms	12.800ms
Blank time	0.865ms	0.786ms	0.673ms	0.533ms	0.533ms
Border (T / B)	0.000ms	0.000ms	0.000ms	0.000ms	0.000ms
Data time	12.549ms	15.880ms	13.599ms	12.795ms	12.800ms
Front porch	0.020ms	0.062ms	0.053ms	0.017ms	0.015ms
Sync. width	0.060ms	0.124ms	0.106ms	0.050ms	0.044ms
Back porch	0.784ms	0.600ms	0.513ms	0.466ms	0.474ms
Sync. polarity	Negative	Negative	Negative	Positive	Positive
Dot Clock	57.284MHz	65.000MHz	75.000MHz	78.750MHz	108.000MHz
Sync. Type	Separate Composite	Separate	Separate	Separate	Separate
Scan Type	N/I	N/I	N/I	N/I	N/I

2-3-5 Supported Modes (4) (continued from previous page)

Table 2-5 Timing Chart

Originator	MAC	VESA
Mode Name	1152/75	1280/75Hz
Resolution (HxV)	1152x870	1280x1024
HORIZONTAL		
Frequency	68.681kHz	79.976kHz
Total time	14.560 μs	12.504 μs
Active time	11.520 μs	9.481 μs
Blank time	3.040 μs	3.023 μs
Border (L / R)	0.000 μs	0.000 μs
Data time	11.520 μs	9.481 μs
Front porch	0.320 μs	0.119 μs
Sync. width	1.280 μs	1.067 μs
Back porch	1.440 μs	1.837 μs
Sync. polarity	Negative	Positive
VERTICAL		
Frequency	75.062Hz	75.025Hz
Total time	13.323ms	13.329ms
Active time	12.667ms	12.804ms
Blank time	0.656ms	0.525ms
Border (T / B)	0.000ms	0.000ms
Data time	12.667ms	12.804ms
Front porch	0.044ms	0.013ms
Sync. width	0.044ms	0.038ms
Back porch	0.568ms	0.475ms
Sync. polarity	Negative	Positive
Dot Clock	100.000MHz	135.00MHz
Sync. Type	Separate Composite	Separate
Scan Type	N/I	N/I

Memo

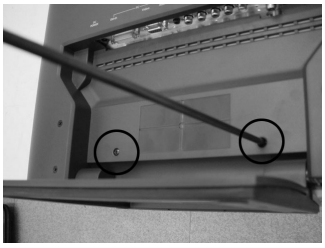
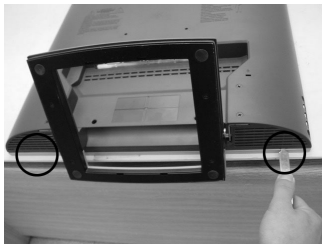
3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the 192MP monitor.

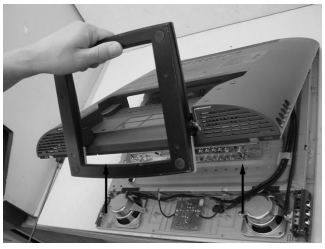
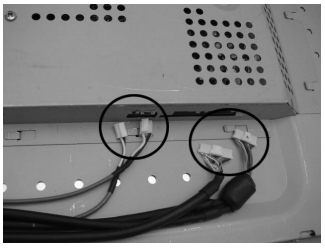
WARNING: This monitor contains electrostatically sensitive devices. Use caution when handling these components.

3-1 Disassembly

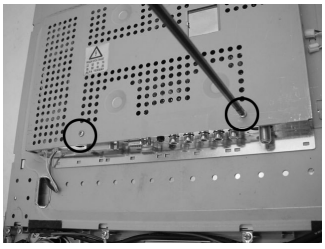
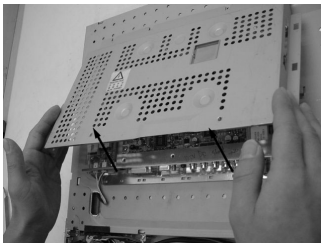
Cautions: 1. Disconnect the monitor from the power source before disassembly.
2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.
3. R/Cover opening jig : BH81-00001A

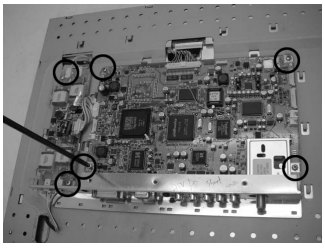
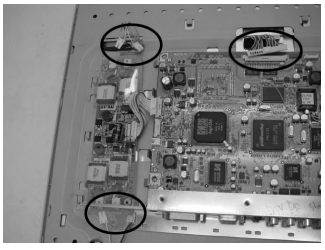
1. Place monitor face down on cushioned table and insert the opening drive into the grooves at each side and press until it clicks.

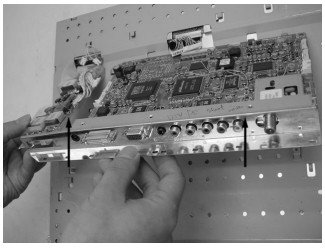
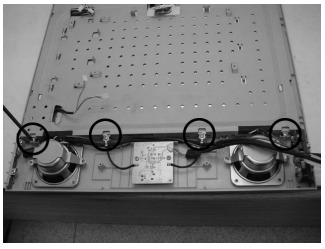
2. Lifp up the back cover and disconnect function cable and speaker cable from the shield.

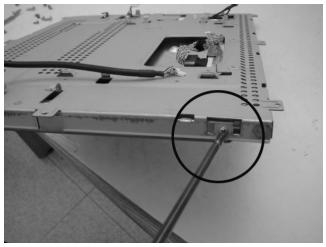
3. Remove 2 screws from the board and lift up the board.

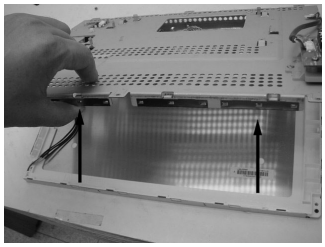



4. Remove 6 screws from the board and disconnect inverter cable, LVDS cable from the board.

5. Lift up the board and remove 4 screws from the cover front.





6. Remove 4 screws form the shield and lift up the shield.

3-2 Replacement Order of Lamp Assemblies

Note : Lamp connot be replaced for new CMO 19″ panel.

Reason : Other panels may be replaced by removing screws on side. However, CMO lamp replacement requires glass removal and molded parts, which can cause unexpected difficulties for service technician.

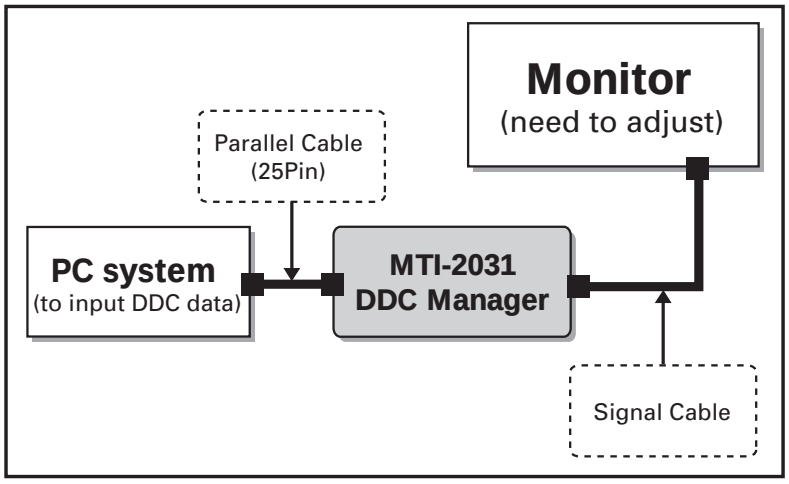
3-3 Reassembly

Reassembly procedures are in the reverse order of dissasembly procedures, place the lamp wire correctly in the locator groove so that the wire will not bind or interfere with rear cover.

4 Alignments and Adjustments

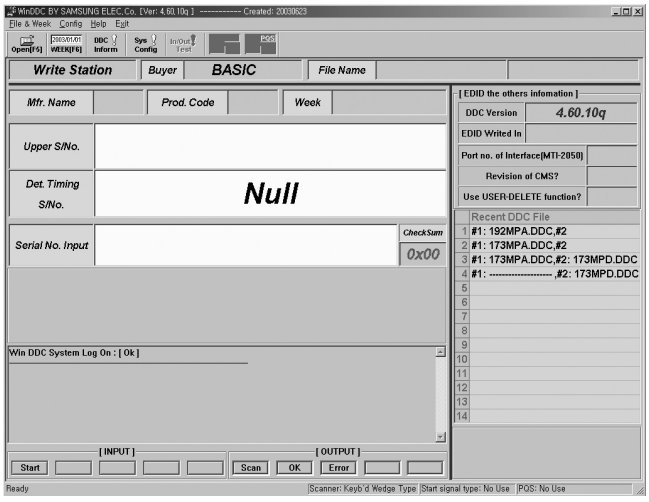
This section describes to adjust LCD monitor after replacing EEPROM, Main PBA or Panel.

4-1 DDC jig installation

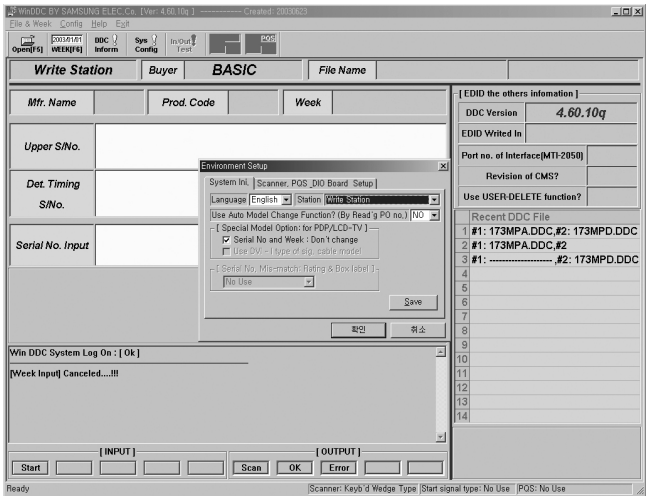


* Please use DVI cable connection adapter for DVI input.

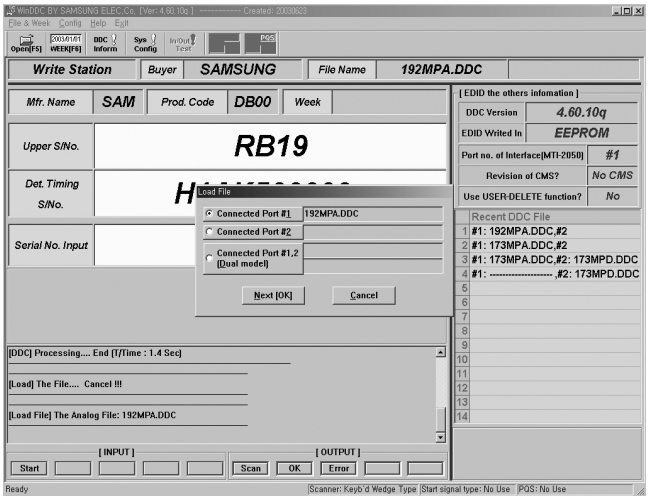
4-2 How to execute DDC



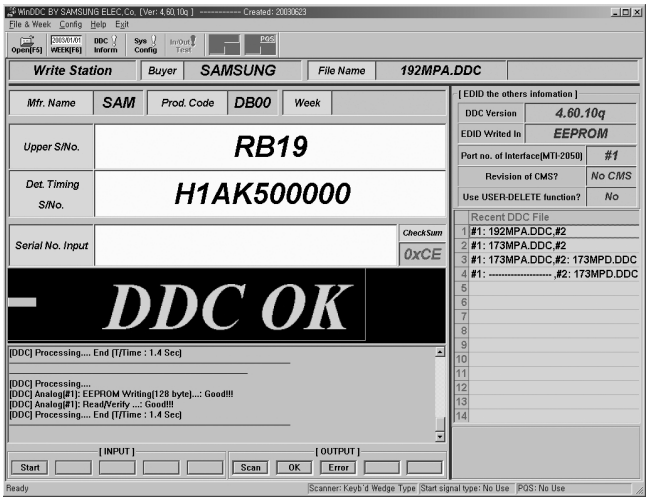
1. Execute "WinDDC.exe"



2. Click “Sys Config”
   Select “Station : Write station”.
   Check “Serial No and Week : Don’t change”
   Click “Save”



3. Click “Open” icon.
   Select “Connected Port #1” and Next “OK”.
   * File Name - 192MPA.DDC : Analog
   192MPD.DDC” : DVI
   Press enter key on your keyboard.



4. Confirm the “DDC OK”.

4-3 Factory Mode Adjustments

4-3-1 Factory Mode Admission

- Remote Controller : [Power off] -> [Mute] -> [1, 8, 2] -> [Power on]
- Function Key
  1. Adjust contrast and brightness to zero (PC Mode).
  2. Press "Exit" key for 5 seconds. Service function OSD will appear.
  3. Press "Menu" key. Factory Mode OSD will appear.

4-3-2 Factory Mode OSD

1. Auto Color ——— PC White balance

2. Options ——— Add AFN
   EEPROM clear
   Check sum
   DNIe demo

3. Reset

4. Adjust ——— Color control
   PW1235
   TW9908
   MST9883

5. Panel Service ——— Service function

4-3-3 Adjustment Sequence (ROM IC309 Change)

1. EEPROM clear
2. PC White Balance : To adjust PC color
   (Mode : 1280X1024 @ 60Hz, 16 gray pattern)
3. Reset

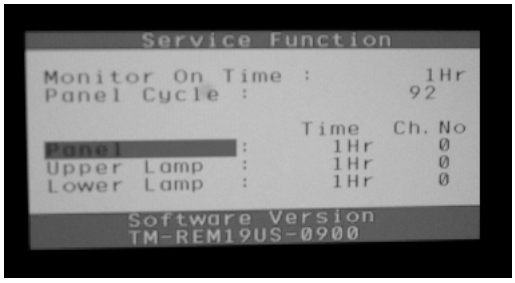
4-4 Service Function OSD

- After replacing the LCD panel.

4-4-1 Service Function Admission

1. Adjust contrast and brightness to zero(0).
2. Press "Exit"key for 5 seconds. Service function OSD will be displayed.

4-4-2 How to Control Service Function OSD

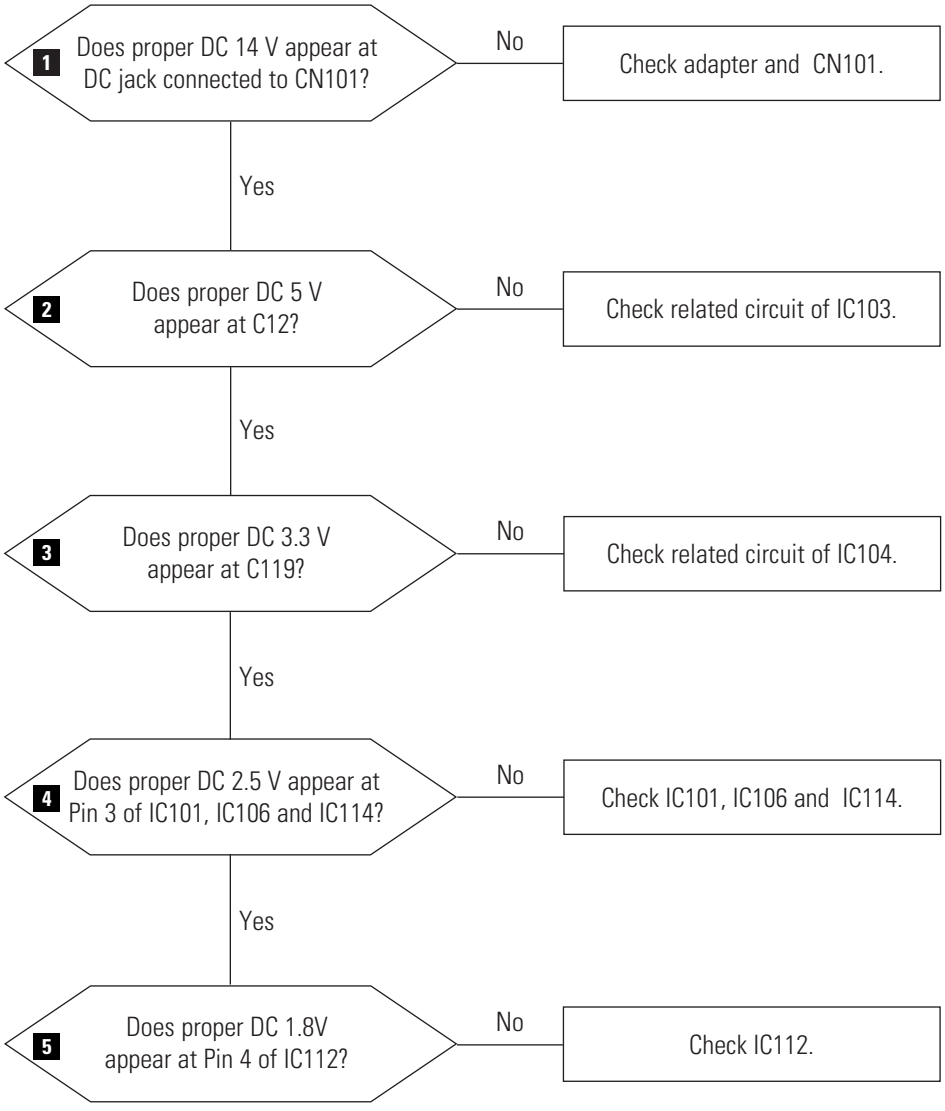


After changing the LCD panel, go to service function OSD.
Select “Panel” with channel key.
Press “Enter” key for 5 seconds.
Then, panel Ch. No increase one step and the Time is reset to zero.

❉ RB19NS uses CMO 19” panel, whose lamp may not be replaced.

5 Troubleshooting

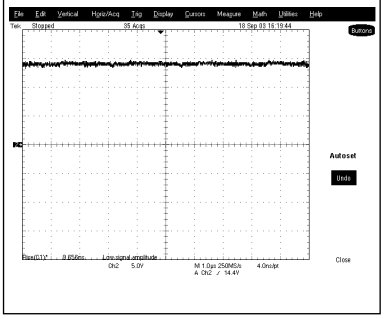
5-1 No Power



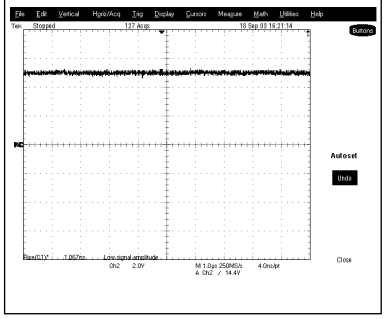
* Different input signals result in different waveforms.

WAVEFORMS

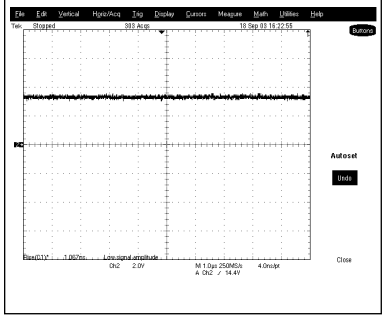
1



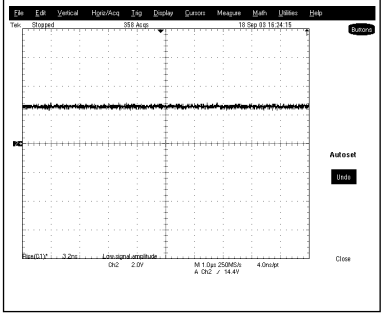
2



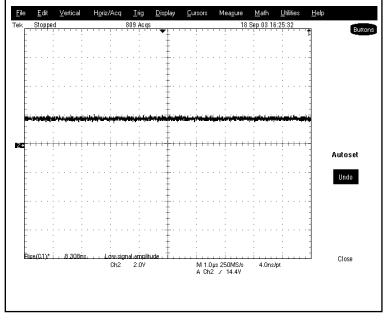
3



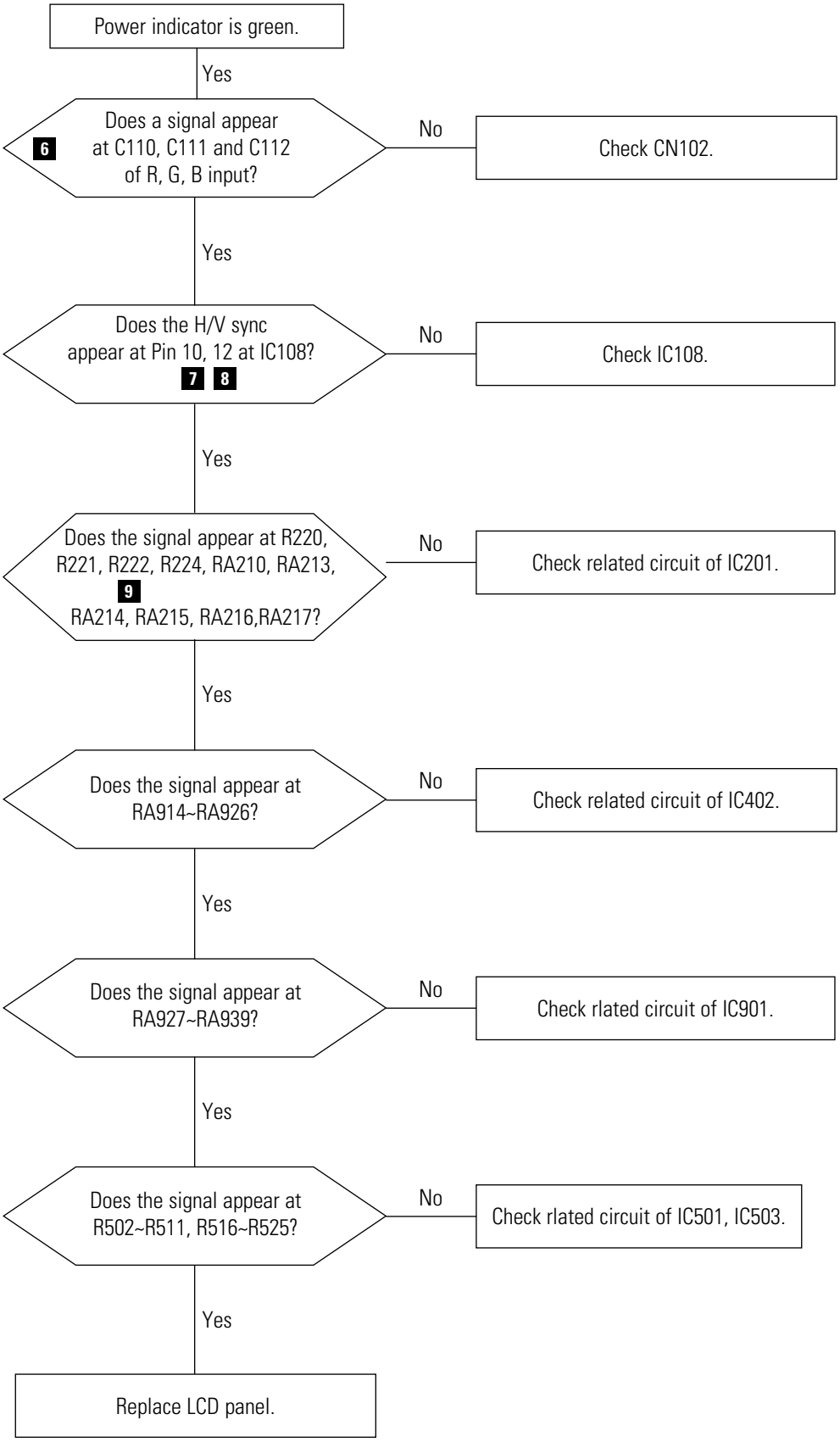
4



5

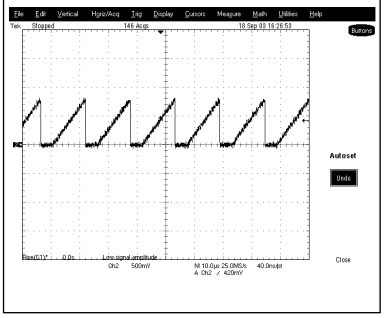


5-2 No Video (PC Signal)

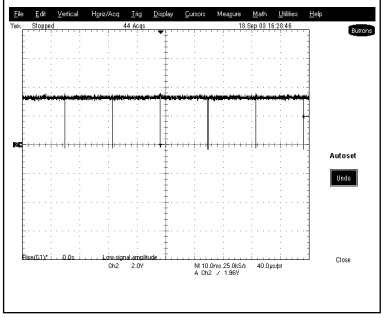


WAVEFORMS

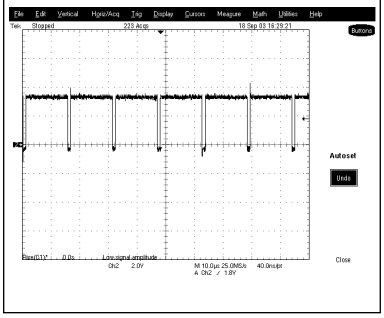
6



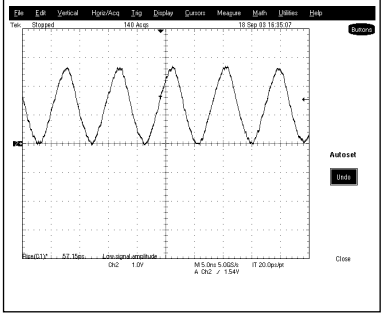
7



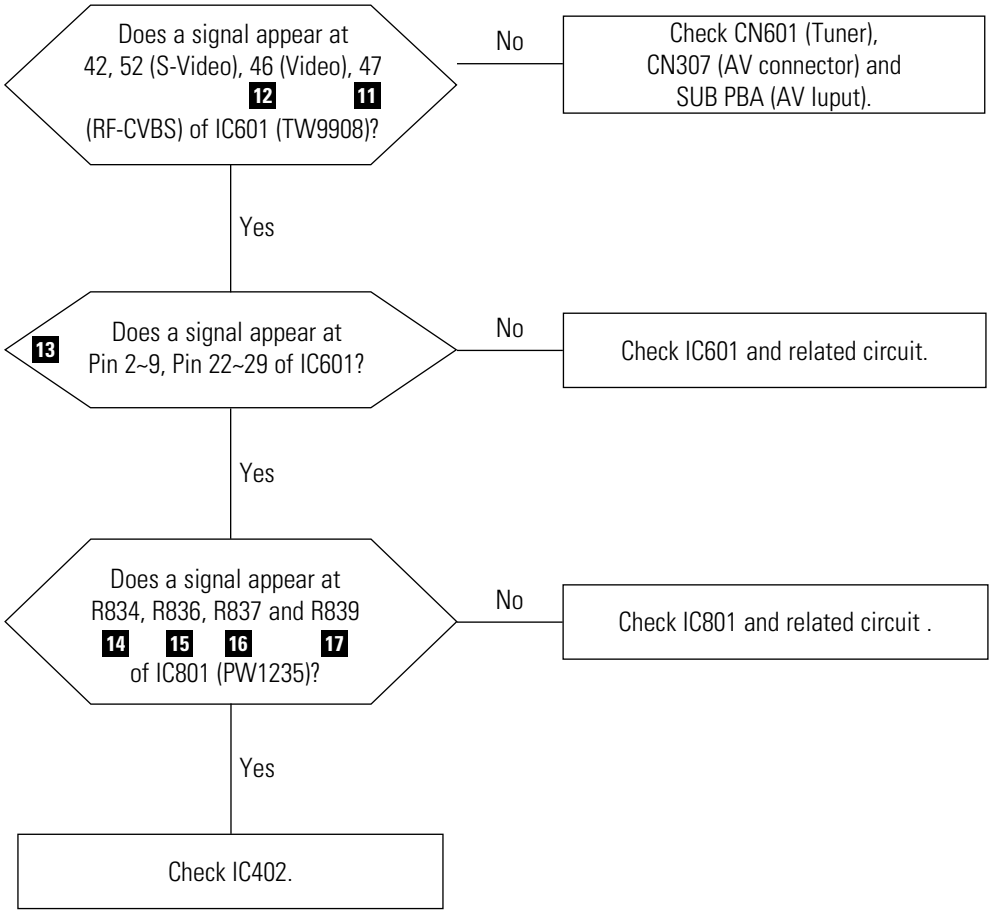
8



9

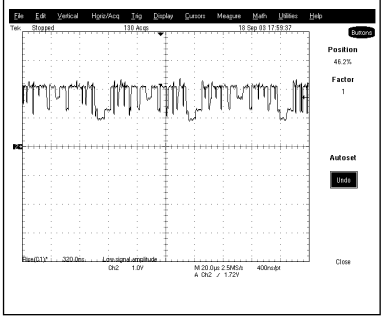


5-3 No Picture (TV, Video, S-Video)

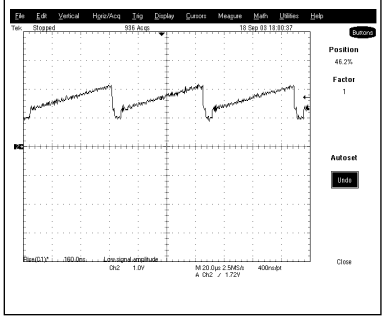


WAVEFORMS

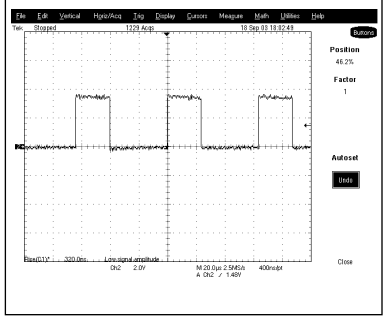
11



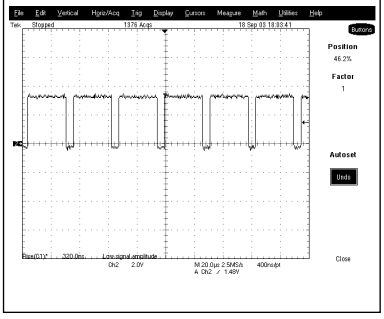
12



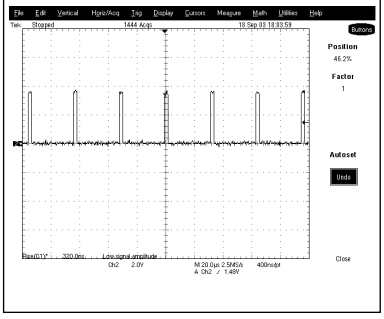
13



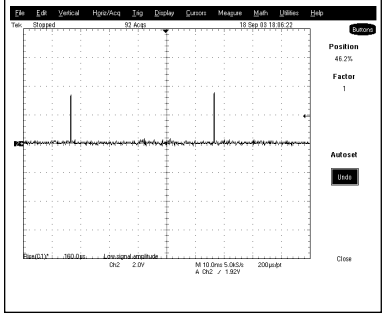
14



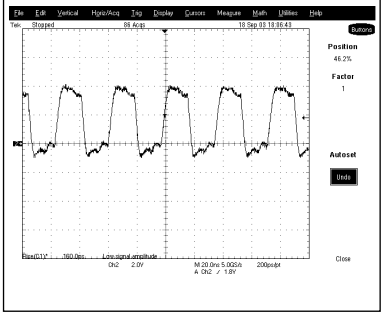
15



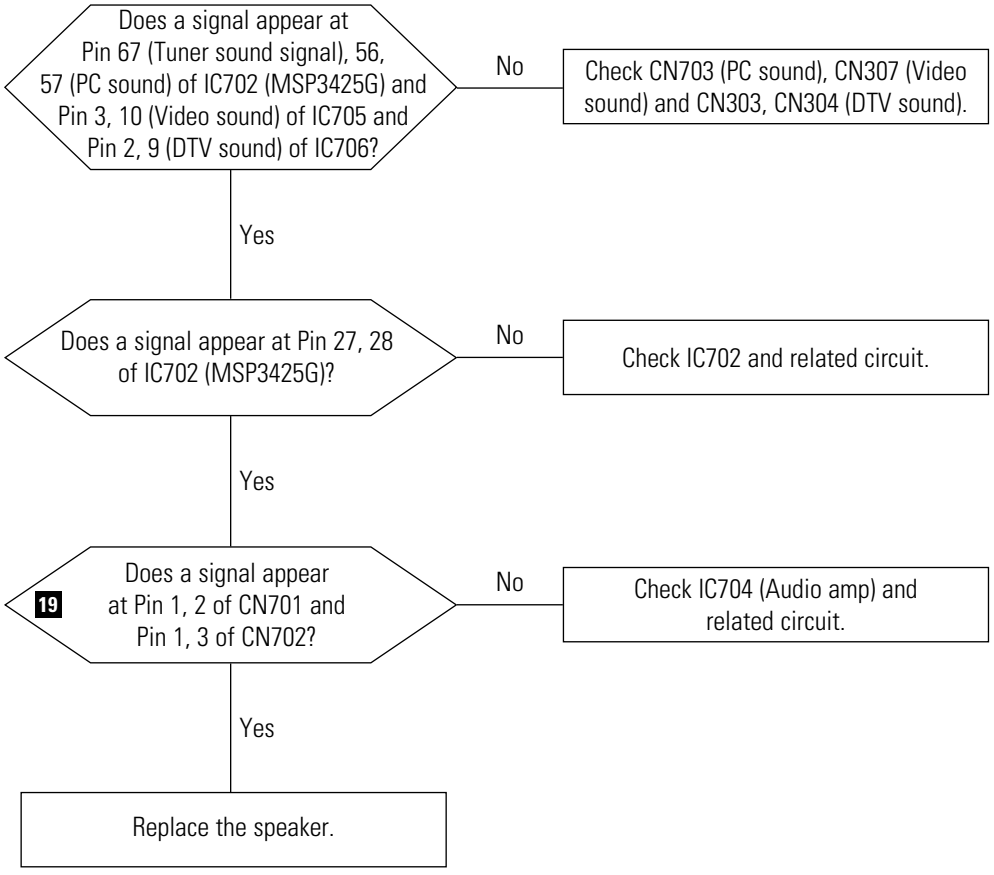
16



17

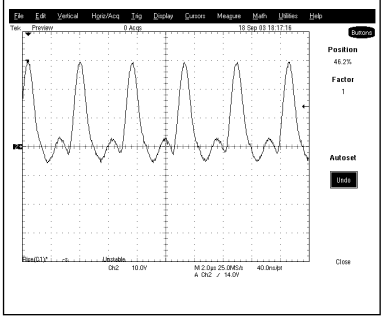


5-4 No Sound

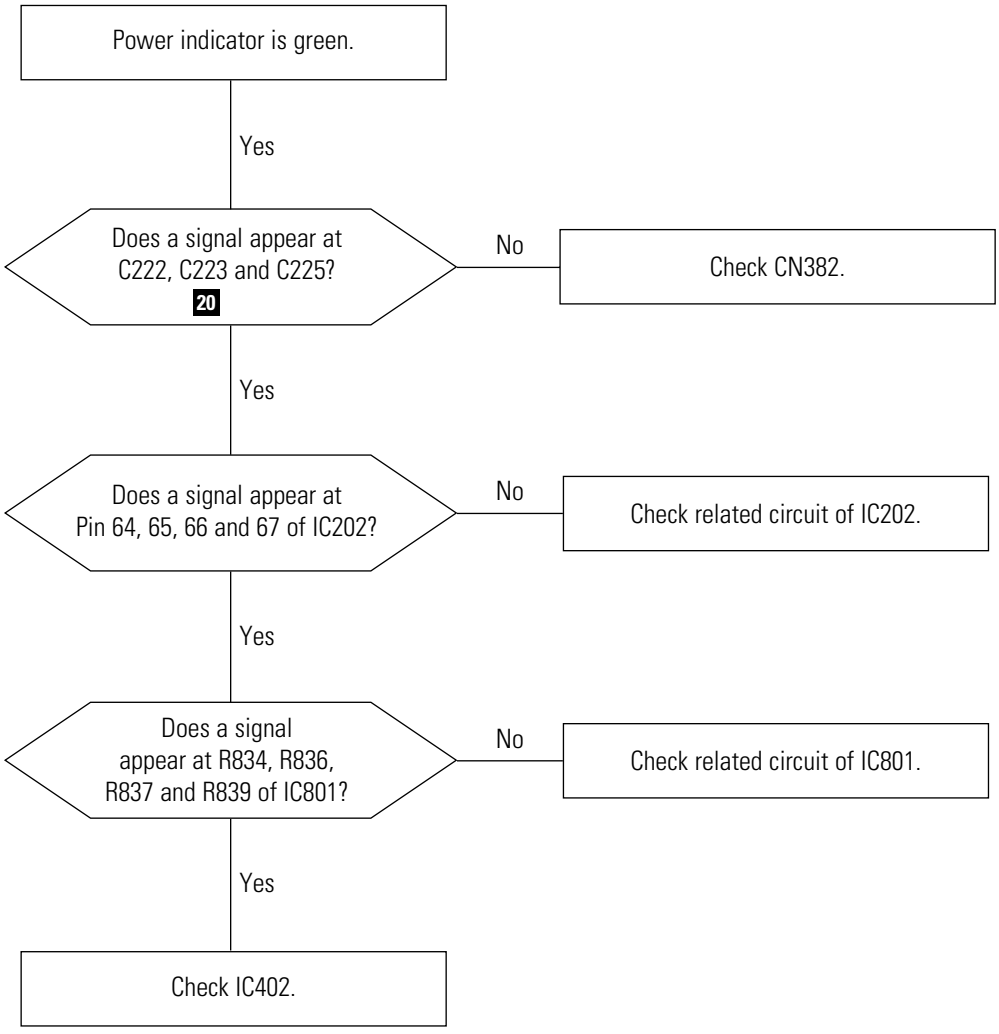

Does a signal appear at Pin 67 (Tuner sound signal), 56, 57 (PC sound) of IC702 (MSP3425G) and Pin 3, 10 (Video sound) of IC705 and Pin 2, 9 (DTV sound) of IC706?
No
Check CN703 (PC sound), CN307 (Video sound) and CN303, CN304 (DTV sound).
Yes
Does a signal appear at Pin 27, 28 of IC702 (MSP3425G)?
No
Check IC702 and related circuit.
Yes
19
Does a signal appear at Pin 1, 2 of CN701 and Pin 1, 3 of CN702?
No
Check IC704 (Audio amp) and related circuit.
Yes
Replace the speaker.

WAVEFORMS

19

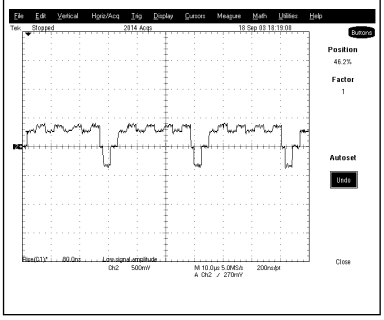


5-5 No Picture (DTV [NTSC only])



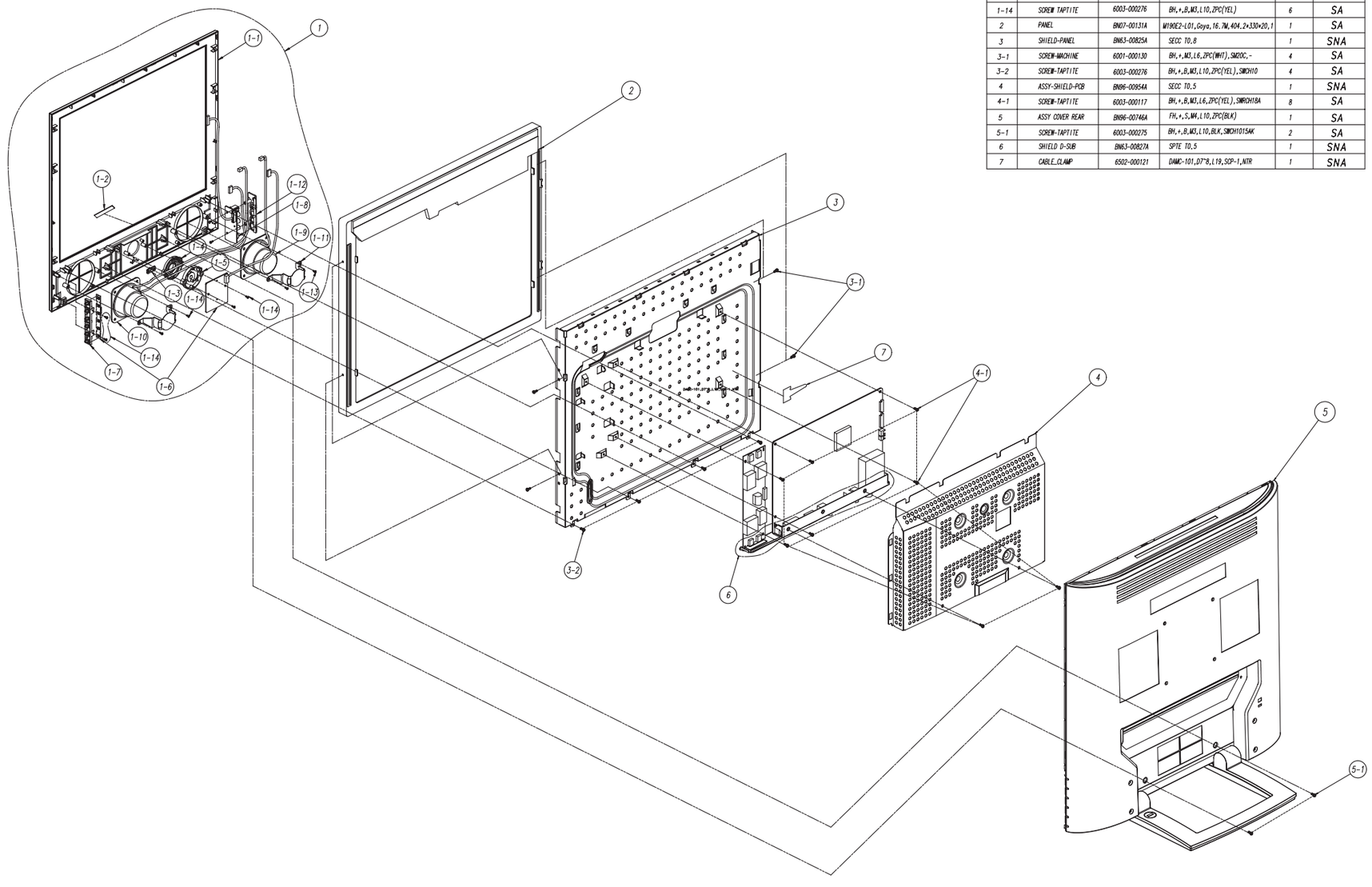
WAVEFORMS

20



6 Exploded View and Parts List

❊ You can search for updated part codes through ITSELF web site.
URL : http://itself.sec.samsung.co.kr/



No.	DESCRIPTION	CODE No.	SPECIFICATION	Q'ty	REMARK
1	ASSY,COVER-FRONT	BN96-00743A	ABS HB,SILVER	1	SA
1-1	COVER-FRONT	BN63-00821A	ABS HB GR70 (G6757)	1	SNA
1-2	BADGE-BRAND	BN64-00031A	AL T1.4,6.3,40.1,SILVER,SAMSUNG	1	SNA
1-3	LENS-IR	BN67-00099A	ACRYL, SMOG	1	SNA
1-4	KNOB-CONTROL	BN64-00183A	ABS HB + NI COAT.	1	SNA
1-5	KNOB-POWER	BN64-00182A	ABS HB + PC CLEAR + NI COAT.	1	SNA
1-6	PCB-POWER FUNCTION	BN96-00845A	AMLCD(EPD)	1	SNA
1-7	KNOB-FUCTION	BN64-00236A	ABS HB + AL COAT.	1	SNA
1-8	PCB-AV	BN96-00844A	-	1	SNA
1-9	SPEAKER-L	BN96-00718A	-	1	SA
1-10	SPEAKER-R	BN96-00719A	-	1	SA
1-11	BRKT-SPK	BN70-00182A	SECC T0.8	2	SNA
1-12	HOLDER-JACK	BN61-00582A	ABS HB BK17 G4787	1	SNA
1-13	SCREW TAPTITE	6003-000010	BWH,+,B,M3,L10,ZPC(YEL)	4	SA
1-14	SCREW TAPTITE	6003-000276	BH,+,B,M3,L10,ZPC(YEL)	6	SA
2	PANEL	BN07-00131A	M190E2-L01,Goya,16.7M,404.2x330x20,1	1	SA
3	SHIELD-PANEL	BN63-00825A	SECC T0.8	1	SNA
3-1	SCREW-MACHINE	6001-000130	BH,+,M3,L6,ZPC(WHT),SM20C,-	4	SA
3-2	SCREW-TAPTITE	6003-000276	BH,+,B,M3,L10,ZPC(YEL),SWCH10	4	SA
4	ASSY-SHIELD-PCB	BN96-00954A	SECC T0.5	1	SNA
4-1	SCREW-TAPTITE	6003-000117	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	8	SA
5	ASSY COVER REAR	BN96-00746A	FH,+,S,M4,L10,ZPC(BLK)	1	SA
5-1	SCREW-TAPTITE	6003-000275	BH,+,B,M3,L10,BLK,SWCH1015AK	2	SA
6	SHIELD D-SUB	BN63-00827A	SPTE T0.5	1	SNA
7	CABLE_CLAMP	6502-000121	DAMC-101,D7*8,L19,SCP-1,NTR	1	SNA

Memo

7 Electrical Parts List

❋ You can search for updated part codes through ITSELF web site.
URL : http://itself.sec.samsung.co.kr/

7-1-1 RB19NS Main PCB Parts

Level	Loc. No.	Code No.	Description	Specification	Remarks
0	RB19NS				
1	CK-RB19NS	-	1	CHIMEI,M190E2-L01	-
3	BN94-00516A	-	ASSY PCB MAIN-CK	RB19NS,ADC	SA
4	2401-002286	C119	C-AL	470uF,20%,16V,WT,TP,10x12.5,5	SA
4	3722-000117	CN101	JACK-DC POWER	3P,1.45MM,AG,BLK	SA
4	3701-001219	CN102	CONNECTOR-DSUB	15P,3R,FEMALE,ANGLE,AUF	SA
4	3701-001173	CN103	CONNECTOR-DVI	24P,3R,FEMALE,ANGLE,AUF	SA
4	3722-001547	CN302	JACK-PIN	3P,3.5mm,AU,GRN/BLU/RED,-	SA
4	3722-001784	CN303	JACK-PIN	1P,-,SN,RED,-	SA
4	3722-001782	CN304	JACK-PIN	1P,-,SN,WHT,-	SA
4	BN40-00040A	CN601	TUNER	TMQH6-002A,MUSE,NTSC,181CH,45.75MHz,75 ohm,75 ohm,F-CON,ASYMM,5V,TR	SA
4	3711-004270	CN701	CONNECTOR-HEADER	BOX,2P,1R,2MM,ANGLE,SN	SA
4	3711-004386	CN702	CONNECTOR-HEADER	BOX,3P,1R,2mm,ANGLE,SN	SA
4	3722-002081	CN703	JACK-EAR PHONE	5P/2C,-,SnPb,L-BLU,-	SA
4	3711-004270	CN704	CONNECTOR-HEADER	BOX,2P,1R,2MM,ANGLE,SN	SA
4	BN97-00335V	MICOM	ASSY MICOM	RB19NS	SNA
5	1102-001129	IC309	IC-EPROM	M27W401,512KX8BIT,PLCC,32P,11.35X13.89MM,80NS,3.3V,10%,PLASTIC,-40TO+85C,-,CMOS,	SA
5	BN82-00108K	CIS	A/S MICOM-SUB	RB19NS	SNA
4	BN97-00347A	-	ASSY SMD-S5/CK	KD17NS	SNA
5	3301-001145	BD102	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD104	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD105	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD106	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD107	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD108	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD109	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD110	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD111	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	BN27-00019A	BD112	COIL CHOKE-SMD	P05845-470,RB19,47uH,10%,0.5ohm,0.8A,DR5.8X4.5,41.5Ts,6.0x5.2x4.5mm,TP,-25°…°≠+8	SA
5	3301-001145	BD113	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD114	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD115	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD116	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-000314	BD301	BEAD-SMD	120ohm,1.6x0.8x0.8mm,150mA,,,,40000ohm	SNA
5	3301-001145	BD701	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD702	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD703	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD704	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD705	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	3301-001145	BD706	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	2203-000189	C10	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C11	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000189	C110	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C111	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C112	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C116	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000189	C117	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001086	C12	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-005065	C121	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C122	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C123	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C124	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C125	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000257	C126	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000189	C127	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001081	C128	C-AL,SMD	100uF,20%,25V,WT,TP,8.3x8.3x10	SA
5	2402-001081	C13	C-AL,SMD	100uF,20%,25V,WT,TP,8.3x8.3x10	SA
5	2203-005065	C130	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000189	C131	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2203-005065	C132	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C133	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C134	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C135	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000189	C136	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-005065	C138	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000189	C139	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C14	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000236	C141	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-005065	C142	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2402-001081	C143	C-AL,SMD	100uF,20%,25V,WT,TP,8.3x8.3x10	SA
5	2203-000257	C144	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-001086	C145	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-005005	C15	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-001081	C151	C-AL,SMD	100uF,20%,25V,WT,TP,8.3x8.3x10	SA
5	2203-000189	C152	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000257	C155	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C156	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000236	C157	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-000257	C158	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C159	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000189	C16	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000236	C160	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-000257	C161	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C162	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-001086	C163	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-000236	C164	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-000189	C165	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C166	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C167	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C168	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C169	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C170	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001081	C171	C-AL,SMD	100uF,20%,25V,WT,TP,8.3x8.3x10	SA
5	2203-000236	C18	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-000236	C19	C-CER,CHIP	0.1NF,5%,50V,C0G,TP,1608	SA
5	2203-000189	C21	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-005065	C210	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C211	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C212	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C213	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C214	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C215	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C216	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C217	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C218	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000189	C219	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C22	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C220	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C221	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000972	C222	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	SA
5	2203-000972	C223	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	SA
5	2203-000440	C224	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000972	C225	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	SA
5	2203-005005	C226	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-000189	C227	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-005065	C228	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C229	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000843	C23	C-CER,CHIP	39nF,10%,25V,X7R,TP,1608,-	SA
5	2203-005065	C230	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C231	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C232	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C233	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C234	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C235	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000384	C236	C-CER,CHIP	0.015NF,5%,50V,C0G,TP,1608	SA
5	2203-000384	C237	C-CER,CHIP	0.015NF,5%,50V,C0G,TP,1608	SA
5	2203-005065	C238	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000726	C24	C-CER,CHIP	3.9nF,10%,50V,X7R,TP,1608,-	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2203-005065	C240	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C241	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C242	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C244	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2402-001086	C245	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-005065	C246	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C247	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C248	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C249	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005005	C25	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2203-005065	C250	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C251	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C252	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2402-001086	C253	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-005065	C254	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C255	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C256	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C257	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2402-000108	C258	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2402-000108	C259	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2402-001086	C26	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2402-000108	C260	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2402-000108	C261	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-000903	C263	C-CER,CHIP	0.0047NF,0.25PF,50V,C0G,TP,1608	SA
5	2203-000903	C264	C-CER,CHIP	0.0047NF,0.25PF,50V,C0G,TP,1608	SA
5	2203-000903	C265	C-CER,CHIP	0.0047NF,0.25PF,50V,C0G,TP,1608	SA
5	2203-005065	C27	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C28	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C29	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-001071	C300	C-CER,CHIP	0.056NF,5%,50V,C0G,TP,1608	SA
5	2402-001165	C301	C-AL,SMD	4.7UF,20%,35V,WT,TP,4X5.8MM	SA
5	2203-000440	C302	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2402-001165	C303	C-AL,SMD	4.7UF,20%,35V,WT,TP,4X5.8MM	SA
5	2203-000440	C304	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-005065	C31	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C310	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C311	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C312	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C313	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C314	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C315	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C316	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C317	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C318	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C319	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-001071	C32	C-CER,CHIP	0.056NF,5%,50V,C0G,TP,1608	SA
5	2203-000140	C320	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000189	C321	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C322	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C323	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000815	C324	C-CER,CHIP	0.033NF,5%,50V,C0G,TP,1608	SA
5	2203-005065	C329	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-001071	C33	C-CER,CHIP	0.056NF,5%,50V,C0G,TP,1608	SA
5	2203-005065	C330	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C331	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000440	C332	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C333	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000815	C334	C-CER,CHIP	0.033NF,5%,50V,C0G,TP,1608	SA
5	2402-001165	C335	C-AL,SMD	4.7UF,20%,35V,WT,TP,4X5.8MM	SA
5	2203-000189	C336	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001165	C337	C-AL,SMD	4.7UF,20%,35V,WT,TP,4X5.8MM	SA
5	2203-000440	C338	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2402-000108	C339	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-000440	C340	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C342	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C343	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000189	C344	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C345	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C346	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2203-000189	C347	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-005065	C35	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000440	C353	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C354	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2402-000209	C355	C-AL,SMD	22uF,20%,16V,WT,TP,5.3x5.3mm,1	SA
5	2203-005065	C36	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C362	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-001071	C363	C-CER,CHIP	0.056NF,5%,50V,C0G,TP,1608	SA
5	2203-005065	C364	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C365	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2402-001086	C366	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-000491	C367	C-CER,CHIP	2.2nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000491	C368	C-CER,CHIP	2.2nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000491	C369	C-CER,CHIP	2.2nF,10%,50V,X7R,TP,1608,-	SA
5	2203-005065	C37	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C370	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C371	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C38	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C380	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C381	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C39	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C402	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C403	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C404	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C405	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C409	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C410	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C411	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C416	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C417	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C418	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C420	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C422	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C423	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C424	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C427	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C428	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C429	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C430	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C431	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C432	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C433	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C434	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C435	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C436	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C437	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000440	C438	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C439	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C441	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C442	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C443	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C444	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C445	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C446	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C447	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C448	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C449	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C451	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C453	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000189	C454	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C456	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C458	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C461	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C462	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-005065	C463	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C464	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C501	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C502	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C503	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2203-005065	C504	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C505	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C506	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C507	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C508	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C509	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C510	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C511	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C512	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2402-001086	C513	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-000189	C514	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-005065	C515	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C516	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C517	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C518	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C519	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C520	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C521	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C522	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2409-001029	C601	C-ORGANIC	120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9	SA
5	2203-000491	C602	C-CER,CHIP	2.2nF,10%,50V,X7R,TP,1608,-	SA
5	2402-000209	C603	C-AL,SMD	22uF,20%,16V,WT,TP,5.3x5.3mm,1	SA
5	2203-000189	C605	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C608	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C609	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C610	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000108	C611	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2402-001086	C612	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-005065	C613	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C614	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C615	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C616	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C617	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C618	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C619	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C620	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C621	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000257	C626	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-005065	C628	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C629	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C630	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C631	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000189	C632	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C633	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C634	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C635	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001086	C636	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-000189	C637	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C638	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001086	C639	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-000189	C640	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000108	C641	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-001656	C642	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	SA
5	2203-000257	C643	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000189	C644	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000280	C645	C-CER,CHIP	0.01NF,0.5PF,50V,C0G,TP,1608	SA
5	2203-000440	C647	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000998	C648	C-CER,CHIP	0.047NF,5%,50V,C0G,TP,1608	SA
5	2203-000552	C649	C-CER,CHIP	0.02NF,5%,50V,C0G,TP,1608	SA
5	2203-000552	C650	C-CER,CHIP	0.02NF,5%,50V,C0G,TP,1608	SA
5	2402-001086	C651	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2402-001086	C652	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-000552	C654	C-CER,CHIP	0.02NF,5%,50V,C0G,TP,1608	SA
5	2203-000552	C655	C-CER,CHIP	0.02NF,5%,50V,C0G,TP,1608	SA
5	2203-000189	C670	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C671	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C672	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C673	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-001140	C696	C-CER,CHIP	68nF,10%,16V,X7R,TP,1608,-	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2402-000108	C697	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-000189	C698	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C710	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C712	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000108	C713	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2402-001159	C714	C-AL,SMD	3.3UF,20%,50V,WT,TP,4X5.2MM	SA
5	2203-001071	C715	C-CER,CHIP	0.056NF,5%,50V,C0G,TP,1608	SA
5	2203-000189	C716	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-000108	C717	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-001656	C718	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	SA
5	2203-001656	C719	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	SA
5	2203-000140	C720	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	SA
5	2402-000108	C721	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-000140	C722	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	SA
5	2402-001086	C723	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-001071	C724	C-CER,CHIP	0.056NF,5%,50V,C0G,TP,1608	SA
5	2402-000108	C725	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-001071	C726	C-CER,CHIP	0.056NF,5%,50V,C0G,TP,1608	SA
5	2203-000872	C728	C-CER,CHIP	0.003NF,0.25PF,50V,C0G,TP,1608	SA
5	2203-000872	C730	C-CER,CHIP	0.003NF,0.25PF,50V,C0G,TP,1608	SA
5	2203-000440	C731	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C732	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000189	C733	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001165	C735	C-AL,SMD	4.7UF,20%,35V,WT,TP,4X5.8MM	SA
5	2203-000440	C737	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-001656	C738	C-CER,CHIP	0.47nF,5%,50V,NP0,TP,1608	SA
5	2402-001086	C739	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2402-001165	C741	C-AL,SMD	4.7UF,20%,35V,WT,TP,4X5.8MM	SA
5	2203-000189	C742	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000972	C744	C-CER,CHIP	47nF,10%,16V,X7R,TP,1608	SA
5	2203-000140	C745	C-CER,CHIP	1.5nF,10%,50V,X7R,TP,1608,-	SA
5	2203-001607	C746	C-CER,CHIP	0.22nF,5%,50V,NP0,TP,1608	SA
5	2203-000440	C747	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000257	C748	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000257	C749	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000440	C750	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C751	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000189	C752	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001165	C753	C-AL,SMD	4.7UF,20%,35V,WT,TP,4X5.8MM	SA
5	2203-000189	C754	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C755	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-005261	C756	C-CER,CHIP	1000nF,10%,25V,X7R,-,3216	SA
5	2402-001165	C757	C-AL,SMD	4.7UF,20%,35V,WT,TP,4X5.8MM	SA
5	2402-001158	C758	C-AL,SMD	1UF,20%,50V,WT,TP,4X5.2MM	SA
5	2402-001158	C759	C-AL,SMD	1UF,20%,50V,WT,TP,4X5.2MM	SA
5	2402-001086	C760	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-000189	C761	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001086	C762	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-001607	C763	C-CER,CHIP	0.22nF,5%,50V,NP0,TP,1608	SA
5	2402-001158	C764	C-AL,SMD	1UF,20%,50V,WT,TP,4X5.2MM	SA
5	2402-001158	C765	C-AL,SMD	1UF,20%,50V,WT,TP,4X5.2MM	SA
5	2402-001158	C766	C-AL,SMD	1UF,20%,50V,WT,TP,4X5.2MM	SA
5	2402-001158	C767	C-AL,SMD	1UF,20%,50V,WT,TP,4X5.2MM	SA
5	2402-001158	C768	C-AL,SMD	1UF,20%,50V,WT,TP,4X5.2MM	SA
5	2402-001158	C769	C-AL,SMD	1UF,20%,50V,WT,TP,4X5.2MM	SA
5	2203-005261	C770	C-CER,CHIP	1000nF,10%,25V,X7R,-,3216	SA
5	2203-000189	C771	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-000189	C772	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2402-001165	C773	C-AL,SMD	4.7UF,20%,35V,WT,TP,4X5.8MM	SA
5	2203-000257	C774	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000440	C775	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000440	C776	C-CER,CHIP	1nF,10%,50V,X7R,TP,1608,-	SA
5	2203-000257	C777	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2402-001086	C778	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-000189	C779	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA
5	2203-006170	C781	C-CER,CHIP	220NF,10%,16V,X7R,TP,1608	SA
5	2203-006170	C784	C-CER,CHIP	220NF,10%,16V,X7R,TP,1608	SA
5	2402-001086	C786	C-AL,SMD	100UF,20%,16V,WT,TP,6.6X6.6X5.3	SA
5	2203-000189	C787	C-CER,CHIP	100nF,+80-20%,25V,Y5V,TP,1608,	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2402-001158	C790	C-AL,SMD	1UF,20%,50V,WT,TP,4X5.2MM	SA
5	2203-005065	C801	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C802	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C803	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C804	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C805	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C806	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C807	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C808	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C809	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C810	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C811	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C812	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C813	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C814	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C815	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C816	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C817	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C818	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C819	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C820	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C821	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C822	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C823	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C824	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C825	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C826	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C827	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C829	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C830	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C831	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C832	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C834	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C835	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C836	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C837	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C838	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C839	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C840	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C841	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C842	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C843	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C844	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C845	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C846	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C847	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C848	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C849	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C850	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C851	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C852	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-000552	C853	C-CER,CHIP	0.02NF,5%,50V,C0G,TP,1608	SA
5	2203-000552	C854	C-CER,CHIP	0.02NF,5%,50V,C0G,TP,1608	SA
5	2203-005005	C855	C-CER,CHIP	100nF,10%,16V,X7R,TP,1608	SA
5	2402-000108	C856	C-AL,SMD	10uF,20%,16V,WT,TP,4.3x4.3x5.4	SA
5	2203-000257	C857	C-CER,CHIP	10nF,10%,50V,X7R,TP,1608	SA
5	2203-000783	C901	C-CER,CHIP	0.33NF,5%,50V,C0G,TP,1608	SA
5	2203-005065	C903	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C921	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C922	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C923	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C924	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C931	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C932	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C933	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	2203-005065	C934	C-CER,CHIP	1000nF,+80-20%,10V,Y5V,TP,1608	SA
5	0202-001162	CIS5	SOLDER-CREAM	RMA-20-21L,S63,-,SN63/PB36.6/AG0.4,FLUX9.5%	SNA
5	3711-005471	CN104	CONNECTOR-HEADER	BOX,12P,1R,1.25mm,SMD-A,Sn+Pb,IVR	SA
5	3711-002049	CN305	CONNECTOR-HEADER	BOX,6P,1R,1.25mm,SMD-A,SN	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	3711-005471	CN306	CONNECTOR-HEADER	BOX,12P,1R,1.25mm,SMD-A,Sn+Pb,IVR	SA
5	3711-005497	CN307	CONNECTOR-HEADER	BOX,15P,1R,1.25mm,SMD-A,SnPb,IVR	SA
5	3711-005498	CN309	CONNECTOR-HEADER	BOX,10P,1R,1.25mm,SMD-A,SnPb,IVR	SA
5	3711-005470	CN501	CONNECTOR-HEADER	BOX,30P,1R,1.25mm,SMD-A,Sn+Pb,IVR	SA
5	0403-000579	D10	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	SA
5	0403-000579	D11	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	SA
5	0403-000579	D110	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	SA
5	0403-000579	D111	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	SA
5	0403-000579	D112	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	SA
5	0402-000553	D113	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	SA
5	0401-001056	D114	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	SA
5	0401-001056	D115	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	SA
5	0401-001056	D116	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	SA
5	0401-001056	D117	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	SA
5	0401-001056	D118	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	SA
5	0401-001056	D119	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	SA
5	0402-000553	D12	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	SA
5	0401-001056	D120	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	SA
5	0401-001056	D121	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	SA
5	0403-000579	D122	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	SA
5	0403-000579	D123	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	SA
5	0403-001435	D124	DIODE-ZENER	QZX363C5V6,5.32-5.88,200MW,SOT-363,TP	SA
5	0403-000579	D125	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	SA
5	0403-000579	D13	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	SA
5	0402-000553	D14	DIODE-RECTIFIER	SS24,40V,2.0A,DO-214AA	SA
5	0401-001056	D15	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	SA
5	0401-001056	D16	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	SA
5	0401-001056	D17	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	SA
5	0403-000579	D18	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	SA
5	0403-000579	D19	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	SA
5	0403-001435	D301	DIODE-ZENER	QZX363C5V6,5.32-5.88,200MW,SOT-363,TP	SA
5	0403-001052	D302	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW,S	SA
5	0403-001052	D303	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW,S	SA
5	0403-001052	D304	DIODE-ZENER	RD8.2MB,8.2V,7.7-8.64V,200mW,S	SA
5	0403-000579	D305	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	SA
5	0406-001163	D306	DIODE-TVS	CDS3C05GTA,6.4V/-/-,-,SMD	SA
5	0406-001163	D307	DIODE-TVS	CDS3C05GTA,6.4V/-/-,-,SMD	SA
5	0403-001435	D308	DIODE-ZENER	QZX363C5V6,5.32-5.88,200MW,SOT-363,TP	SA
5	0403-001435	D310	DIODE-ZENER	QZX363C5V6,5.32-5.88,200MW,SOT-363,TP	SA
5	0403-001435	D311	DIODE-ZENER	QZX363C5V6,5.32-5.88,200MW,SOT-363,TP	SA
5	0406-001163	D312	DIODE-TVS	CDS3C05GTA,6.4V/-/-,-,SMD	SA
5	0406-001163	D313	DIODE-TVS	CDS3C05GTA,6.4V/-/-,-,SMD	SA
5	0406-001163	D318	DIODE-TVS	CDS3C05GTA,6.4V/-/-,-,SMD	SA
5	0406-001163	D319	DIODE-TVS	CDS3C05GTA,6.4V/-/-,-,SMD	SA
5	0406-001163	D320	DIODE-TVS	CDS3C05GTA,6.4V/-/-,-,SMD	SA
5	0406-001163	D321	DIODE-TVS	CDS3C05GTA,6.4V/-/-,-,SMD	SA
5	0403-001435	D327	DIODE-ZENER	QZX363C5V6,5.32-5.88,200MW,SOT-363,TP	SA
5	0403-001435	D328	DIODE-ZENER	QZX363C5V6,5.32-5.88,200MW,SOT-363,TP	SA
5	0406-001163	D329	DIODE-TVS	CDS3C05GTA,6.4V/-/-,-,SMD	SA
5	0401-001056	D601	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	SA
5	0403-001382	D602	DIODE-ZENER	UDZ33B,32.15-33.79V,200mW,SOD-323,TP	SA
5	0401-001056	D603	DIODE-SWITCHING	MMBD4148SE,75V,200MA,SOT-23,TP	SA
5	0406-001163	D701	DIODE-TVS	CDS3C05GTA,6.4V/-/-,-,SMD	SA
5	0406-001163	D702	DIODE-TVS	CDS3C05GTA,6.4V/-/-,-,SMD	SA
5	0403-000579	D704	DIODE-ZENER	BZX84C5V1,5.1V,5%,200mW,SOT-23	SA
5	3301-001145	FT116	BEAD-SMD	4.5x1.6x1.6mm,-,-	SNA
5	1203-002898	IC101	IC-POSI.FIXED REG.	G950T45R,T0-252,3P,6.54x6.46mm,PLASTIC,2.475/2.575V,,0to+125C,1A,,TP	SA
5	1103-000129	IC102	IC-EEPROM	24C02,256x8BIT,SOP,8P,150MIL,1	SA
5	1203-003059	IC103	IC-SWITCH VOL. REG.	MP1583,SOIC,8P,4.9x3.9mm,PLASTIC,1.22/21V,-,-40to+85CC,3A,1.194/1.25V,TP	SA
5	1203-003059	IC104	IC-SWITCH VOL. REG.	MP1583,SOIC,8P,4.9x3.9mm,PLASTIC,1.22/21V,-,-40to+85CC,3A,1.194/1.25V,TP	SA
5	0505-001170	IC105	FET-SILICON	SI9933ADY-T1,P,-20V,3.4A,0.06ohm,2W,SO-8	SA
5	1203-002898	IC106	IC-POSI.FIXED REG.	G950T45R,T0-252,3P,6.54x6.46mm,PLASTIC,2.475/2.575V,,0to+125C,1A,,TP	SA
5	0505-001170	IC107	FET-SILICON	SI9933ADY-T1,P,-20V,3.4A,0.06ohm,2W,SO-8	SA
5	0801-002267	IC108	IC-CMOS LOGIC	74LCX14,-,SOIC,14P,150MIL,-,TP,-,-,-,-,3.6V,-40TO+85C,-,5.5V,-,-,24MA	SA
5	1103-000129	IC109	IC-EEPROM	24C02,256x8BIT,SOP,8P,150MIL,1	SA
5	1203-002844	IC112	IC-VOLTAGE REGULATOR	AP1117D-18A,T0-252-3L,3P,6.7X5.6MM,PLASTIC,1.764/1.836V,-,0TO+150C,1A,-,TP	SA
5	1203-003059	IC113	IC-SWITCH VOL. REG.	MP1583,SOIC,8P,4.9x3.9mm,PLASTIC,1.22/21V,-,-40to+85CC,3A,1.194/1.25V,TP	SA
5	1203-002898	IC114	IC-POSI.FIXED REG.	G950T45R,T0-252,3P,6.54x6.46mm,PLASTIC,2.475/2.575V,,0to+125C,1A,,TP	SA
5	1003-001599	IC201	IC-LCD CONTROLLER	MST9130,QFP,128P,20X14MM,-,12/4MA,TR,PLASTIC,3.3V,-20TO+85C,-,-,-	SNA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	1002-001365	IC202	IC-A/D CONVERTER	MST9883A-110,24BIT(8X3),LQFP,44P,14X14MM,+-0.5/LSB,TR,-,PLASTIC,3.3V,-20TO+80C,-	SA
5	1203-002898	IC203	IC-POSI.FIXED REG.	G950T45R,TO-252,3P,6.54x6.46mm,PLASTIC,2.475/2.575V,,0to+125C,1A,,TP	SA
5	1204-001912	IC301	IC-DECODER	SDA5550M,P-MQFP,100P,-,PLASTIC,3.3V,1.5W,0TO+70C,TR,-	SA
5	0801-002407	IC302	IC-CMOS LOGIC	74LCX08,AND GATE,SOP,14,150MIL,QUAD,TP,2.0/3.6V	SA
5	0801-002574	IC303	IC-CMOS LOGIC	74LVX04,INVERTER,SOP,14P,150MIL,HEX,TP,PLASTIC,-,-,0.36V,-40to+85C,180mW,2.4V,20	SA
5	1203-001212	IC304	IC-VOL. DETECTOR	7029,SOT-89,3P,-,PLASTIC,-,500	SA
5	1103-000138	IC305	IC-EEPROM	24C16,2Kx8BIT,SOP,8P,150MIL,10	SA
5	0801-002095	IC306	IC-CMOS LOGIC	74LCX245,TRANSCEIVER,TSSOP,20,173MIL,OCTAL,TP,2.0/3.6V	SA
5	0801-002268	IC307	IC-CMOS LOGIC	74VHC139,DECODER,SOIC,16P,150MIL,DUAL,TP,PLASTIC,TRI-STATE,-,0.36V,-40TO+85C,180	SA
5	0801-002095	IC308	IC-CMOS LOGIC	74LCX245,TRANSCEIVER,TSSOP,20,173MIL,OCTAL,TP,2.0/3.6V	SA
5	3704-000250	IC309_SOCK	SOCKET-IC	32P,PLCC,SN,-	SA
5	1205-002331	IC402	IC-LCD CONTROLLER	JAGASM-AE,BGA,388P,208MIL,PALATIC,3.45V,2.5W,40TO+125C,TR,DIGITAL DISPLAY PRO.	SA
5	1205-002309	IC501	IC-TRANSMITTER	M385,TSSOP,56P,14x6.1mm,PLASTIC,3.3V,,,TP,LVDS	SA
5	1105-001404	IC502	IC-DRAM	W986432DH-6,4X512KX32BIT,TSOPII,86P,400MIL,5NS,3.3V,10%,PLASTIC,0TO+70C,8MA,CMOS	SA
5	1205-002309	IC503	IC-TRANSMITTER	M385,TSSOP,56P,14x6.1mm,PLASTIC,3.3V,,,TP,LVDS	SA
5	1204-002151	IC601	IC-VIDEO PROCESS	TW9908,PQFP,100P,20X14MM,PLASTIC,3.3V,-,0TO+70C,TP,-	SNA
5	1203-001488	IC602	IC-POSI.FIXED REG.	7805,TO-252,3P,-,PLASTIC,4.8/5	SA
5	1203-001293	IC603	IC-POSI.FIXED REG.	033,TO-252,3P,6.5MIL,PLASTIC,3	SA
5	1203-001816	IC701	IC-POSI.FIXED REG.	78M08,TO-252,3P,-,PLASTIC,7.7/8.3V,1.0W,-40TO+85C,0.5A,-,TP	SA
5	1204-001711	IC702	IC-SOUND PROCESSOR	MSP3425G,QFP,80P,-,PLASTIC,9V,1000mW,0to+70C,TR,Multistandard Sound	SA
5	1201-001893	IC703	IC-AUDIO AMP	TPA102DGN,MSOP,8P,3X3MM,-,-,PLASTIC,5.5V,2.14W,-40TO+85C,-,-,-,-,5MV,TP	SA
5	1201-001983	IC704	IC-AUDIO AMP	TPA3002D2PHP,HTQFP,48P,7X7MM,-,-,PLASTIC,20V,2.7W,-40TO+85C,-,1V/US,-,-,10MV,TR	SA
5	0801-002404	IC705	IC-CMOS LOGIC	74VHC4066,ANALOG SWITCH,SOP,14	SA
5	1003-001601	IC801	IC-DISPLAY DRIVER	PW1235,PQFP,256P,28X28MM,-,3.3MA,TR,PLASTIC,3.3V,0TO+70C,-,0.4/2.4V,-	SNA
5	1105-001305	IC802	IC-DRAM	4S641632,1MX16X4BIT,TSOP,54P,400MIL,8NS,3.3V,10%,PLASTIC,0TO+70C,30MA,CMOS,TP	SA
5	1204-002052	IC901	IC-VIDEO PROCESS	S5D2540X,TQFP,128P,14X14MM,PLASTIC,3.6V,-,0TO+70C,TR,AC2E PROCESSOR	SA
5	BN27-00009A	L101	COIL CHOKE	SMD 12X12X6,EOS,33UH,15%,-0.12ßY MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0.	SA
5	BN27-00009A	L102	COIL CHOKE	SMD 12X12X6,EOS,33UH,15%,-0.12ßY MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0.	SA
5	BN27-00009A	L103	COIL CHOKE	SMD 12X12X6,EOS,33UH,15%,-0.12ßY MAX,2A,DR10X5.0MM,18.5TS,12X12X6,1.8MM,1UEW 0.	SA
5	2703-001778	L302	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L303	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L304	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L305	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L307	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L308	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L309	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L310	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-000398	L601	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-000398	L602	INDUCTOR-SMD	10uH,10%,3225	SA
5	2703-001778	L603	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-000417	L607	INDUCTOR-SMD	220uH,0.05,3225	SA
5	2703-001426	L608	INDUCTOR-SMD	680uH,20%,7070	SA
5	BN27-00001A	L701	COIL CHOKE	68UH,68UH,10%,5845,0.5OHM,7.3X7.3X3.3MM,REEL	SA
5	BN27-00001A	L702	COIL CHOKE	68UH,68UH,10%,5845,0.5OHM,7.3X7.3X3.3MM,REEL	SA
5	BN27-00001A	L703	COIL CHOKE	68UH,68UH,10%,5845,0.5OHM,7.3X7.3X3.3MM,REEL	SA
5	BN27-00001A	L704	COIL CHOKE	68UH,68UH,10%,5845,0.5OHM,7.3X7.3X3.3MM,REEL	SA
5	2703-001778	L708	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L709	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001778	L710	INDUCTOR-SMD	3.3uH,20%,3225	SA
5	2703-001334	L711	INDUCTOR-SMD	1.5uH,10%,2012	SA
5	BN41-00373A	MP1.0	PCB MAIN	RB19/KD17,FR4,4L,1.0,1.6T,228*157*1.6,RB19/KD17	SNA
5	0501-002080	Q101	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q102	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q103	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q105	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q301	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q302	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q303	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q304	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q602	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q605	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-000342	Q703	TR-SMALL SIGNAL	KSC1623-Y,NPN,200mW,SOT-23,TP,135-270	SA
5	0501-002080	Q704	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	0501-002080	Q705	TR-SMALL SIGNAL	2SC2412K,NPN,200mW,SC-59,TP,120-270	SA
5	2007-001167	R11	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R110	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R111	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R112	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R113	R-CHIP	100ohm,5%,1/10W,TP,1608	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2007-001167	R115	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R116	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R117	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R12	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R127	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000102	R128	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000102	R129	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-007841	R13	R-CHIP	16.2Kohm,1%,1/10W,TP,1608	SA
5	2007-000090	R130	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000965	R131	R-CHIP	5.1Kohm,5%,1/10W,TP,1608	SA
5	2007-000052	R132	R-CHIP	10Kohm,1%,1/10W,TP,1608	SA
5	2007-000090	R133	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000309	R136	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R137	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R138	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R14	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000309	R141	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000102	R142	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000309	R143	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R145	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R146	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R147	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R148	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000102	R149	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R151	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R153	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R154	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-001002	R156	R-CHIP	510ohm,5%,1/10W,TP,1608	SA
5	2007-000097	R159	R-CHIP	47Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R16	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000097	R160	R-CHIP	47Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R161	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R162	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R165	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R166	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R168	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R169	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R17	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000102	R171	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R174	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R175	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R177	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R178	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R18	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R180	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R181	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R182	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000102	R183	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000052	R184	R-CHIP	10Kohm,1%,1/10W,TP,1608	SA
5	2007-000979	R185	R-CHIP	5.6Kohm,1%,1/10W,TP,1608	SA
5	2007-000965	R186	R-CHIP	5.1Kohm,5%,1/10W,TP,1608	SA
5	2007-000965	R187	R-CHIP	5.1Kohm,5%,1/10W,TP,1608	SA
5	2007-000962	R188	R-CHIP	5.1Kohm,1%,1/10W,TP,1608	SA
5	2007-000979	R189	R-CHIP	5.6Kohm,1%,1/10W,TP,1608	SA
5	2007-000084	R19	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000102	R190	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000102	R191	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000082	R21	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R210	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R211	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R212	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R214	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R215	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R216	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000118	R219	R-CHIP	390ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R22	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R220	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R221	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R222	R-CHIP	0ohm,5%,1/10W,TP,1608	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2007-000070	R223	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R224	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R225	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R226	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R228	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R23	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R231	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R232	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R233	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R234	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R235	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R24	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R242	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R245	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R246	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R249	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R25	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R250	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R251	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R253	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R26	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R27	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R29	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R301	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R302	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R303	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R304	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R308	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R31	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R310	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R3100	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R3101	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000043	R3102	R-CHIP	1Kohm,1%,1/10W,TP,1608	SA
5	2007-000084	R3103	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R3104	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R3105	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R311	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000570	R3113	R-CHIP	220OHM,1%,1/10W,DA,TP,1608	SA
5	2007-000570	R3114	R-CHIP	220OHM,1%,1/10W,DA,TP,1608	SA
5	2007-000074	R3115	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3116	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3117	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R312	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R313	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R3134	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3136	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3137	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3138	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3139	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R314	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3140	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3141	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3142	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3143	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3144	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3145	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R3146	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R3147	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3148	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R3149	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R315	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R3150	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R3151	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R3152	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R3153	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R3154	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3156	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3157	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3159	R-CHIP	0ohm,5%,1/10W,TP,1608	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2007-000084	R316	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R317	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R3172	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3173	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3174	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R3175	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3176	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R3177	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3178	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R318	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3181	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3182	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R3183	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R3184	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R3185	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R3186	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3188	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3189	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R319	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3190	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R3192	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3193	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3194	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3195	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3196	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3197	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3198	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3199	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R32	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000092	R320	R-CHIP	15Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R3200	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R3201	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R3202	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R3203	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R3204	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R321	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R322	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R323	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R324	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R325	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R326	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R327	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R329	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R33	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000092	R330	R-CHIP	15Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R331	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R332	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R333	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R335	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R336	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R337	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R338	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R339	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R34	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R340	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R341	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R343	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R345	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R346	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R347	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R35	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R350	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R351	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R352	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R353	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R354	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000043	R355	R-CHIP	1Kohm,1%,1/10W,TP,1608	SA
5	2007-000070	R356	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R358	R-CHIP	0ohm,5%,1/10W,TP,1608	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2007-000070	R359	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R36	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R360	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R361	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R362	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000043	R363	R-CHIP	1Kohm,1%,1/10W,TP,1608	SA
5	2007-000078	R364	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000043	R365	R-CHIP	1Kohm,1%,1/10W,TP,1608	SA
5	2007-000070	R366	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R367	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R368	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R369	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R37	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R370	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R371	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R373	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R374	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R375	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R376	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R377	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R378	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R379	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R38	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R380	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R381	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R382	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R383	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R384	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R385	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R386	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R387	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R388	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R389	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R39	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R390	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R391	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R393	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R397	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R399	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R417	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R418	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R419	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R420	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R421	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R422	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R423	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R424	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R425	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R426	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R439	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R440	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R441	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R442	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R443	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R444	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R445	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R446	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R447	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R448	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R449	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R450	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R451	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R453	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000309	R455	R-CHIP	10ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R456	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R457	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R459	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R462	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R463	R-CHIP	22ohm,5%,1/10W,TP,1608	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2007-000071	R464	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R465	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R466	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R467	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R468	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R469	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R470	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R472	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R473	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R474	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R475	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R476	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R477	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R479	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R480	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R481	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R482	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R483	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R484	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R485	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R486	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R487	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000071	R488	R-CHIP	22ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R490	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R491	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R493	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000072	R502	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R503	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R504	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R505	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R506	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R507	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R508	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R509	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R510	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R511	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R512	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R513	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R515	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000072	R516	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R517	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R518	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R519	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R520	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R521	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R522	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R523	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R524	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000072	R525	R-CHIP	47ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R526	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R527	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R528	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R529	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R531	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000109	R601	R-CHIP	1Mohm,5%,1/10W,TP,1608	SA
5	2007-000092	R604	R-CHIP	15Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R605	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000094	R614	R-CHIP	22Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R615	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-001167	R616	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000726	R621	R-CHIP	300ohm,1%,1/10W,TP,1608	SA
5	2007-000070	R625	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000120	R629	R-CHIP	680ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R630	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R631	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R632	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R635	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R637	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R638	R-CHIP	0ohm,5%,1/10W,TP,1608	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2007-000092	R640	R-CHIP	15Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R641	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R643	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R645	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R647	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R648	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R649	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R652	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R653	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R654	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R655	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R656	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R657	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R658	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R659	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R660	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000094	R661	R-CHIP	22Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R662	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R663	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R664	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R665	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R666	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R667	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R668	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R669	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R670	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000102	R671	R-CHIP	100Kohm,5%,1/10W,TP,1608	SA
5	2007-000092	R672	R-CHIP	15Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R673	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R674	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R675	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R677	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R678	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R679	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R680	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000109	R681	R-CHIP	1Mohm,5%,1/10W,TP,1608	SA
5	2007-000074	R690	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R691	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R692	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R693	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R694	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-001134	R695	R-CHIP	68ohm,5%,1/10W,TP,1608	SA
5	2007-000094	R697	R-CHIP	22Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R699	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R7010	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-001167	R7017	R-CHIP	75ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R710	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R712	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R713	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R714	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R715	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R716	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R717	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R718	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R724	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R725	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R729	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R730	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R731	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R732	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R733	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R734	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R735	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R737	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000078	R738	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000078	R741	R-CHIP	1Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R742	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R743	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R744	R-CHIP	100ohm,5%,1/10W,TP,1608	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2007-000074	R745	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R749	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000097	R751	R-CHIP	47Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R752	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R754	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R755	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R756	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000067	R757	R-CHIP	15Kohm,1%,1/10W,TP,1608	SA
5	2007-000103	R758	R-CHIP	120Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R759	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000090	R760	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000096	R761	R-CHIP	30Kohm,5%,1/10W,TP,1608	SA
5	2007-000097	R766	R-CHIP	47Kohm,5%,1/10W,TP,1608	SA
5	2007-001179	R767	R-CHIP	8.2Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R769	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000913	R770	R-CHIP	43Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R772	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000090	R773	R-CHIP	10Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R774	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R780	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R781	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R782	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R783	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R784	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R785	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R786	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000084	R787	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R788	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R789	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R790	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R791	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R792	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R793	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000097	R794	R-CHIP	47Kohm,5%,1/10W,TP,1608	SA
5	2007-000084	R795	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R796	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000082	R807	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-000074	R809	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R810	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R817	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R832	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000082	R833	R-CHIP	3.3Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R834	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R835	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R836	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R837	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R839	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R840	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R841	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R842	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R844	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R845	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R846	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R847	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R848	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R849	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000097	R850	R-CHIP	47Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R851	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000097	R852	R-CHIP	47Kohm,5%,1/10W,TP,1608	SA
5	2007-000097	R853	R-CHIP	47Kohm,5%,1/10W,TP,1608	SA
5	2007-000097	R854	R-CHIP	47Kohm,5%,1/10W,TP,1608	SA
5	2007-000097	R855	R-CHIP	47Kohm,5%,1/10W,TP,1608	SA
5	2007-000097	R871	R-CHIP	47Kohm,5%,1/10W,TP,1608	SA
5	2007-000109	R873	R-CHIP	1Mohm,5%,1/10W,TP,1608	SA
5	2007-001157	R874	R-CHIP	750ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R882	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R883	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R902	R-CHIP	100ohm,5%,1/10W,TP,1608	SA
5	2007-000074	R903	R-CHIP	100ohm,5%,1/10W,TP,1608	SA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
5	2007-000084	R911	R-CHIP	4.7Kohm,5%,1/10W,TP,1608	SA
5	2007-000070	R927	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R931	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2007-000070	R934	R-CHIP	0ohm,5%,1/10W,TP,1608	SA
5	2011-000002	RA210	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA213	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA214	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA215	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA216	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA217	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA413	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA414	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA914	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA915	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA916	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA917	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA918	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA919	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA920	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA921	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA922	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA923	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA924	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA925	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA926	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA927	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA928	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA929	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA930	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA931	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA932	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA933	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA934	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA935	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA936	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA937	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA938	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2011-000002	RA939	R-NET	22OHM,5%,1/16W,L,CHIP,8P,TP,3216	SA
5	2801-003667	X201	CRYSTAL-SMD	14.3182MHZ,50PPM,28-AAN,16,50OHM,TP	SA
5	2801-004117	X301	CRYSTAL-SMD	6MHZ,30PPM,28-ABX,20PF,150OHM,TP	SA
5	2801-003954	X601	CRYSTAL-SMD	27MHz,30ppm,28-AAN,16pF,50ohm,TP	SA
5	2801-004300	X701	CRYSTAL-SMD	18.432MHz,30ppm,28-ABX,13pF,30ohm,TP	SA
5	2801-003923	X801	CRYSTAL-SMD	10MHz,30ppm,28-AAN,20pF,60ohm,BK	SA

7-1-2 RB19NS Others

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
2	BN90-00623A	-	ASSY COVER FRONT	RB19NS	SNA
3	6003-000275	C/F+C/R	SCREW-TAPTITE	BH,+,B,M3,L10,BLK ,SWCH1018AK	SNA
3	BN96-00743A	C/F	ASSY COVER P-FRONT	RB19NS,ABS HB,SILVER	SNA
2	BN90-00624A	-	ASSY COVER REAR	RB19NS	SNA
3	BN96-00746A	C/R	ASSY COVER P-REAR STAND	RB19NS,ASSY REAR+ASSY STAND	SNA
2	BN91-00310F	-	ASSY MISC	MB15	SNA
3	BN44-00075A	CIS	ADAPTOR	AP04914-UV,LCDTM,90 ~264V,47-63HZ,+14VDC,+3.5A,49W,0 TO +40,120*55*31	SA
2	BN91-00349V	-	ASSY LCD-CK	RB19NS	SNA
3	BN07-00131A	LCD	LCD	M190E2-L01,Goya,16.7M,404.2*330*20,16.7M,63,0.294*0.294,0~50,5V,MVA	SA
2	BN91-00761A	-	ASSY CHASSIS	RB19NS	SA
3	BN96-00966A	CIS	ASSY MISC P-SHIELD D SUB	RB19,SPTE T0.5	SNA
2	BN91-00762A	-	ASSY SHIELD	RB19NS	SNA
4	BN83-00081A	C1	CKD-C-CERAMIC,CHIP	2203-000206,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00086A	C10	CKD-C-CERAMIC,CHIP	2203-002793,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00288A	C11	CKD-C-CERAMIC,CHIP	2203-002494,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00082A	C12	CKD-C-CERAMIC,CHIP	2203-001458,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00083A	C13	CKD-C-CERAMIC,CHIP	2203-000455,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00289A	C14	CKD-C-FILM,PPF	2301-001359,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00287A	C15	CKD-C-CERAMIC,DISC	2201-002115,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00287A	C16	CKD-C-CERAMIC,DISC	2201-002115,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00086A	C17	CKD-C-CERAMIC,CHIP	2203-002793,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00086A	C18	CKD-C-CERAMIC,CHIP	2203-002793,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00086A	C19	CKD-C-CERAMIC,CHIP	2203-002793,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00288A	C20	CKD-C-CERAMIC,CHIP	2203-002494,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00082A	C21	CKD-C-CERAMIC,CHIP	2203-001458,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00083A	C22	CKD-C-CERAMIC,CHIP	2203-000455,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00081A	C23	CKD-C-CERAMIC,CHIP	2203-000206,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00291A	C3	CKD-C-AL	2401-003549,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00084A	C30	CKD-C-CERAMIC,CHIP	2203-000590,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00084A	C31	CKD-C-CERAMIC,CHIP	2203-000590,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00289A	C5	CKD-C-FILM,PPF	2301-001359,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00081A	C50	CKD-C-CERAMIC,CHIP	2203-000206,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00287A	C6	CKD-C-CERAMIC,DISC	2201-002115,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00287A	C7	CKD-C-CERAMIC,DISC	2201-002115,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00086A	C8	CKD-C-CERAMIC,CHIP	2203-002793,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00086A	C9	CKD-C-CERAMIC,CHIP	2203-002793,GH17ASPS/XAZ,SEDA	SNA
3	6502-000121	CIS	CABLECLAMP	DAMC-101,D7~8,L19,SCP-1,NTR	SA
3	BN39-00453A	CIS	LEADCONNECTOR	MM17NS,UL1061#28,UL/CSA,12P,60MM,#28,12505HS-12,12507HS-12L,BK,SJ03-01-450	SA
3	BN39-00475A	CIS	LEADCONNECTOR	RB19NS,UL1571#30,UL/CSA,30P,50mm,#30,12507HS-30L,FI-X30H,BK,SJ03-01-293	SNA
3	BN44-00041A	CIS	INVERTER	ML17,SIC1803,48KHz,14VDC,1.5mArms,7.2mArms,48Khz,160*45*17,4LAMP,48Khz,-,-	SA
4	BN83-00085A	CIS	CKD-C-CERAMIC,CHIP	2203-001130,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00267A	CIS	CKD-FET-SILICON	0505-001348,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00301A	CIS	CKD-CHIPMOUNTING/B	LH93-05016Z,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00302A	CIS	CKD-CHIPMOUNTING/F	LH93-10009P,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00303A	CIS	CKD-DISCRETEINSERT/F	LH93-20016M,GH17ASPS/XAZ,SEDA	SNA
3	BN63-00519A	CIS	SHEET-BARRIER	MO15PS/ES,T2.0,31.0,25.0	SNA
3	BN63-00825A	CIS	SHIELD-COVER	REMBRANDT19,SECC,T0.8	SNA
3	BN73-00042A	CIS	RUBBER-SUPPORT	AL40NO,CR,10*10,60,T5.0,BLK,VO	SA
4	BN83-00110A	CN1	CKD-CONNECTOR-HEADER	3711-000556,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00111A	CN2	CKD-CONNECTOR-HEADER	3711-004702,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00111A	CN3	CKD-CONNECTOR-HEADER	3711-004702,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00111A	CN4	CKD-CONNECTOR-HEADER	3711-004702,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00111A	CN5	CKD-CONNECTOR-HEADER	3711-004702,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00074A	D10	CKD-DIODE-ARRAY	0407-000114,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00074A	D12	CKD-DIODE-ARRAY	0407-000114,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00264A	D13	CKD-DIODE-RECTIFIER	0402-000554,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00076A	D14	CKD-DIODE-ARRAY	0407-000122,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00076A	D15	CKD-DIODE-ARRAY	0407-000122,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00076A	D16	CKD-DIODE-ARRAY	0407-000122,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00074A	D17	CKD-DIODE-ARRAY	0407-000114,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00074A	D18	CKD-DIODE-ARRAY	0407-000114,GH17ASPS/XAZ,SEDA	SNA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
4	BN83-00074A	D19	CKD-DIODE-ARRAY	0407-000114,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00074A	D2	CKD-DIODE-ARRAY	0407-000114,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00074A	D20	CKD-DIODE-ARRAY	0407-000114,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00264A	D3	CKD-DIODE-RECTIFIER	0402-000554,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00076A	D4	CKD-DIODE-ARRAY	0407-000122,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00076A	D5	CKD-DIODE-ARRAY	0407-000122,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00076A	D6	CKD-DIODE-ARRAY	0407-000122,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00074A	D7	CKD-DIODE-ARRAY	0407-000114,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00074A	D8	CKD-DIODE-ARRAY	0407-000114,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00074A	D9	CKD-DIODE-ARRAY	0407-000114,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00108A	F1	CKD-FUSE-SURFACEMOUNT	3601-001038,GH17ASPS/XAZ,SEDA	SNA
3	6003-000117	IN/PCB+PAN	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
4	BN83-00300A	INSULATOR	CKD-INSULATOR	LH72-00173A,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00297A	L1	CKD-COILCHOKE	LH27-00145A,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00297A	L2	CKD-COILCHOKE	LH27-00145A,GH17ASPS/XAZ,SEDA	SNA
3	6003-000117	M/PCB+PAN	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
3	6003-000117	M/PCB+SH/D_SUB	SCREW-TAPTITE	BH,+,B,M3,L6,ZPC(YEL),SWRCH18A	SNA
4	BN83-00299A	PCB	CKD-PCBMAIN	LH41-00227A,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00070A	Q1	CKD-TR-DIGITAL	0504-000129,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00070A	Q10	CKD-TR-DIGITAL	0504-000129,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00070A	Q11	CKD-TR-DIGITAL	0504-000129,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00069A	Q12	CKD-TR-SMALLSIGNAL	0501-000457,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00266A	Q13	CKD-FET-SILICON	0505-001220,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00265A	Q14	CKD-TR-SMALLSIGNAL	0501-002218,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00265A	Q15	CKD-TR-SMALLSIGNAL	0501-002218,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00070A	Q16	CKD-TR-DIGITAL	0504-000129,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00070A	Q17	CKD-TR-DIGITAL	0504-000129,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00070A	Q18	CKD-TR-DIGITAL	0504-000129,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00068A	Q2	CKD-TR-DIGITAL	0504-000158,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00071A	Q23	CKD-TR-SMALLSIGNAL	0501-000462,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00071A	Q24	CKD-TR-SMALLSIGNAL	0501-000462,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00070A	Q3	CKD-TR-DIGITAL	0504-000129,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00070A	Q4	CKD-TR-DIGITAL	0504-000129,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00069A	Q5	CKD-TR-SMALLSIGNAL	0501-000457,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00266A	Q6	CKD-FET-SILICON	0505-001220,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00265A	Q7	CKD-TR-SMALLSIGNAL	0501-002218,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00265A	Q8	CKD-TR-SMALLSIGNAL	0501-002218,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00070A	Q9	CKD-TR-DIGITAL	0504-000129,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00282A	R1	CKD-R-CHIP	2007-001039,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00272A	R10	CKD-R-CHIP	2007-000300,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00106A	R100	CKD-VR-SMD	2104-000224,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00273A	R101	CKD-50CHIP	2007-000534,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00273A	R102	CKD-50CHIP	2007-000534,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00273A	R103	CKD-50CHIP	2007-000534,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00273A	R104	CKD-50CHIP	2007-000534,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00273A	R105	CKD-50CHIP	2007-000534,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00273A	R106	CKD-50CHIP	2007-000534,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00273A	R107	CKD-50CHIP	2007-000534,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00273A	R108	CKD-50CHIP	2007-000534,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R11	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R12	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R13	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R14	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R15	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R16	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R17	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R18	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R19	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00281A	R2	CKD-R-CHIP	2007-000941,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R20	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00278A	R21	CKD-R-CHIP	2007-000793,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00278A	R22	CKD-R-CHIP	2007-000793,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00282A	R23	CKD-R-CHIP	2007-001039,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00282A	R24	CKD-R-CHIP	2007-001039,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00277A	R25	CKD-R-CHIP	2007-000703,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00285A	R27	CKD-R-CHIP	2007-001710,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00271A	R28	CKD-R-CHIP	2007-000282,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00282A	R29	CKD-R-CHIP	2007-001039,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00282A	R3	CKD-R-CHIP	2007-001039,GH17ASPS/XAZ,SEDA	SNA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
4	BN83-00285A	R30	CKD-R-CHIP	2007-001710,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00272A	R31	CKD-R-CHIP	2007-000300,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00092A	R34	CKD-R-CHIP	2007-000872,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00268A	R35	CKD-R-CHIP	2007-000003,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00272A	R36	CKD-R-CHIP	2007-000300,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R37	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R38	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R39	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00279A	R4	CKD-R-CHIP	2007-000830,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R40	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R41	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R42	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R43	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R44	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R45	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00284A	R46	CKD-CHIP	2007-001241,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00278A	R47	CKD-R-CHIP	2007-000793,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00278A	R48	CKD-R-CHIP	2007-000793,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00282A	R49	CKD-R-CHIP	2007-001039,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00275A	R5	CKD-R-CHIP	2007-000615,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00282A	R50	CKD-R-CHIP	2007-001039,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00277A	R52	CKD-R-CHIP	2007-000703,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00285A	R54	CKD-R-CHIP	2007-001710,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00282A	R55	CKD-R-CHIP	2007-001039,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00285A	R56	CKD-R-CHIP	2007-001710,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00272A	R57	CKD-R-CHIP	2007-000300,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00283A	R6	CKD-R-CHIP	2007-001113,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00280A	R61	CKD-R-CHIP	2007-000844,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00272A	R62	CKD-R-CHIP	2007-000300,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00278A	R63	CKD-R-CHIP	2007-000793,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00280A	R64	CKD-R-CHIP	2007-000844,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00272A	R65	CKD-R-CHIP	2007-000300,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00278A	R66	CKD-R-CHIP	2007-000793,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00098A	R69	CKD-R-CHIP	2007-000269,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00271A	R70	CKD-R-CHIP	2007-000282,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00274A	R71	CKD-R.CHIP	2007-000546,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00274A	R72	CKD-R.CHIP	2007-000546,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00270A	R73	CKD-R-CHIP	2007-000221,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00270A	R74	CKD-R-CHIP	2007-000221,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00270A	R75	CKD-R-CHIP	2007-000221,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00270A	R76	CKD-R-CHIP	2007-000221,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00271A	R77	CKD-R-CHIP	2007-000282,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00271A	R78	CKD-R-CHIP	2007-000282,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00283A	R79	CKD-R-CHIP	2007-001113,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00092A	R8	CKD-R-CHIP	2007-000872,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00286A	R81	CKD-R-CHIP	2007-002529,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00286A	R82	CKD-R-CHIP	2007-002529,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00271A	R84	CKD-R-CHIP	2007-000282,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00271A	R85	CKD-R-CHIP	2007-000282,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00276A	R86	CKD-R-CHIP	2007-000689,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00276A	R87	CKD-R-CHIP	2007-000689,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00268A	R9	CKD-R-CHIP	2007-000003,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00271A	R91	CKD-R-CHIP	2007-000282,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00271A	R92	CKD-R-CHIP	2007-000282,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00269A	R93	CKD-R-CHIP	2007-000029,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00285A	R94	CKD-R-CHIP	2007-001710,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00272A	R95	CKD-R-CHIP	2007-000300,GH17ASPS/XAZ,SEDA	SNA
3	6003-000276	SH/PAN+C/F	SCREW-TAPTITE	BH,+,B,M3,L10,ZPC(YEL),SWCH10	SNA
3	6001-000130	SH/PAN+PAN	SCREW-MACHINE	BH,+,M3,L6,ZPC(WHT),SM20C,-	SNA
4	BN83-00295A	T1	CKD-TRANS-INVERTER	LH26-00136A,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00293A	T2	CKD-TRANS	LH26-00135A,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00293A	T3	CKD-TRANS	LH26-00135A,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00295A	T4	CKD-TRANS-INVERTER	LH26-00136A,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00066A	U1	CKD-IC-OPAMP	1201-000471,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00067A	U2	CKD-IC-VOLTAGECOMP	1202-000104,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00067A	U3	CKD-IC-VOLTAGECOMP	1202-000104,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00065A	U4	CKD-IC-VOLREFERANCE	1203-000560,GH17ASPS/XAZ,SEDA	SNA
4	BN83-00067A	U5	CKD-IC-VOLTAGECOMP	1202-000104,GH17ASPS/XAZ,SEDA	SNA

Level	Loc.No.	CodeNo.	Description	Specification	Remarks
3	BN96-00954A	CIS	ASSYMISCP-SHIELDPCB	RB19,SECCT0.5	SNA
2	BN92-00984A	-	ASSYBOX	RB19NS	SNA
3	BH68-00328K	BOX	LABELBARCODE	SAMTRON,MPRII,ADC,ART-PAPER90G,-,90,90,LABEL-BARCODE,-,WHT,-,-	SNA
3	BH75-10529C	BOX	UNIT-HANDLE/PACKING	S/M170MP,PE-LD,PE-HD,-,WHITE,-	SA
3	BN69-00702B	BOX	BOX-00	S/M192MP(RB19NS)ADC,CB-SW4,YEL,A-1,W520*D541*H141	SNA
4	BN72-60001A	CIS	LEVER-TOP	LSD210TL,PE-LD,WHITE,TFT_LCD	SNA
4	BN72-60002C	CIS	LEVER-BOTTOM	S/M170MP,PE-HD,BLUE	SNA
2	BN92-00985A	-	ASSYLABEL	RB19NS	SNA
3	BN68-00200A	LABEL	LABEL-STICKERNOTICE(STAND)	RB15NS,PET0.05,-,-,-,-,-,CLEAR,-,-	SNA
3	BN68-00563A	LABEL	LABELRATING-00	RB19NS,SS,PE,T0.05,90*45,BLK,POLYESTER,ADC	SNA
2	BN92-00986A	-	ASSYACCESSORY	RB19NS,ADC	SNA
3	BN96-00952D	UNIT/ACCESSORY	ASSYACCESSORY	RB19NS,ADC	SA
4	0203-000214	ACCESSORY	TAPE-OPPMASKING	OPP/W50/CLR,T0.05,W50,L400000,	SNA
4	4301-000121	ACCESSORY	BATTERY-MN	1.5V,-,AAA,10.5x44.5m,HOLDER	SA
4	6902-000110	ACCESSORY	BAGPE	LDPE,T0.05,L356,W240,TRP,28,2,PEMARK	SNA
4	BH39-10339X	ACCESSORY	CBFPOWERCORD	DET,SVT,125V/7A,BLK,1830,WALL(ST),MSP-33,MSC-30	SA
4	BH68-00261F	ACCESSORY	CARDWARRANTY-03	SyncMaster14-1,ADC,MOJO180G,E/F,USA	SNA
4	BH68-00261J	ACCESSORY	MANUAL-01	SEAREGISTRATIONCARD,SEA,E,USA,MOJO120G,-,173,234,-,-,-,-	SNA
4	BH68-00261R	ACCESSORY	MANUAL-00	3MONTHSCRMCARD,SECA,E/F,CANADA,MOJO120G,173,234	SNA
4	BH68-00344C	ACCESSORY	CARDWARRANTY-00	SECAW'TY&CRMCARD,SECA,MOJO100G,E/F,CANADA	SNA
4	BN39-00244A	ACCESSORY	CBFSIGNAL	BU15A0(T541A),15P/15P,20276-N,1830MM,UL20276,BLACK,D-SUB/MALE,DET.TYPE	SA
4	BN39-00448A	ACCESSORY	CBFSIGNAL-STEREO	MH15NS,3,UL2851,2000MM,IVORY	SA
4	BN59-00399A	ACCESSORY	REMOCON	Rembrandt,TM79,37,SMV-3012,Silver,EX	SA
4	BN96-00707C	ACCESSORY	ASSYMANUALP-00,IB+1SG	RB19NS,SyncMaster,ADC,E/F/S/P,BN59-358F+BH68-376L	SNA
5	BH68-00376L	QUICK_SETUP	MANUAL-01	LCDQUICKSETUPGUIDE,SYNCMASTER,E/F/S/G/P/I..13LANGS,W/W,MOJO100G,298,420	SA
5	BN59-00358F	CD_MANUAL	S/WDRIVER-00,IB	RB19NS,ADC,SyncMaster,E/F/S/P	SNA
2	BN92-00987A	-	ASSYP/MATERIAL	RB19NS	SNA
3	0203-001102	P/M	TAPE-OPPMASKING	OPP-2,T0.05,W100,L400M,CLR	SNA
3	6902-000306	P/M	BAGWRAPPING	LDPE,T0.02,L10000,W500,TRP,,,	SNA
3	6902-000358	P/M	BAGPE	HDPE/NITRON(DOUBLE),T0.02/T0.5,W900,L800,WHT,28,4AL29NO	SNA
3	6902-000576	P/M	BAGROLL	LDPE,T0.05,W2400,L1000,TRP,-,-	SNA
3	BH69-00328E	P/M	PAD-EDGE	DV17,DW3,200,1300,-,-,YEL,-,-	SNA
3	BH69-00457B	P/M	PACKING-PADBOTTOM	GH15,FOAM,T3.0,930,1000	SNA
3	BH69-30360A	P/M	BAG-AIR	HDPE,T0.2,W1000*L1800,N,-,ALL	SNA
3	BN68-00129A	P/M	LABELSHIPPING	-,LABELSHIPPING,ART-PAPER,100G,-,WHT,BLACK,-,-,-	SNA
3	BN69-00139J	P/M	PALLET-PACKING	ML17(NEW),WOODEN,1080,1144,120,-,-,-	SNA
3	BN69-00140S	P/M	PAD-PALLETCOVER	IBM(T84H),SW,1000*3600,1250,-,-,-,-,-	SNA
3	BN69-00553A	P/M	CUSHION-TOP/BOT	REMBRANDT19,EPS	SNA

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8 Block Diagram

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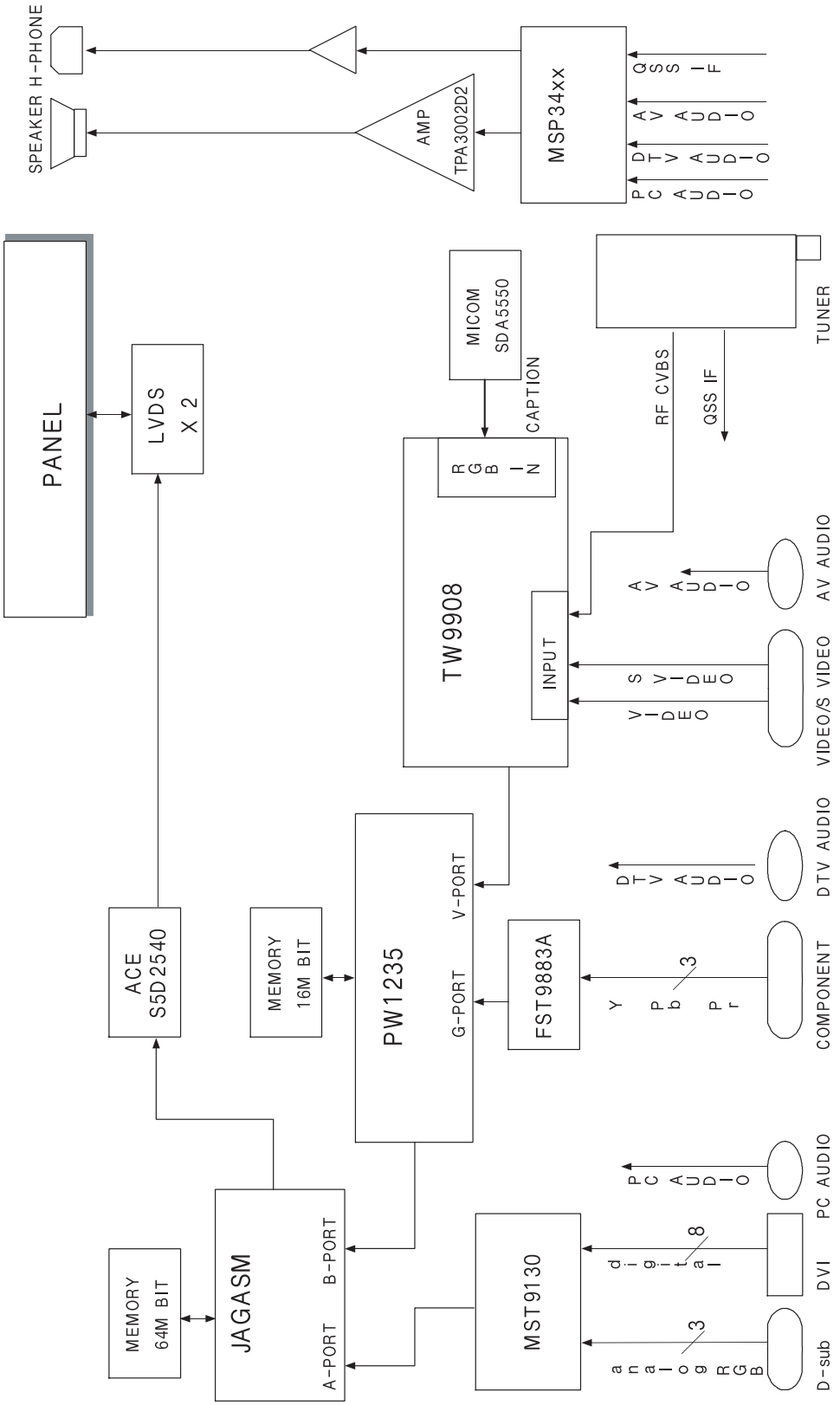

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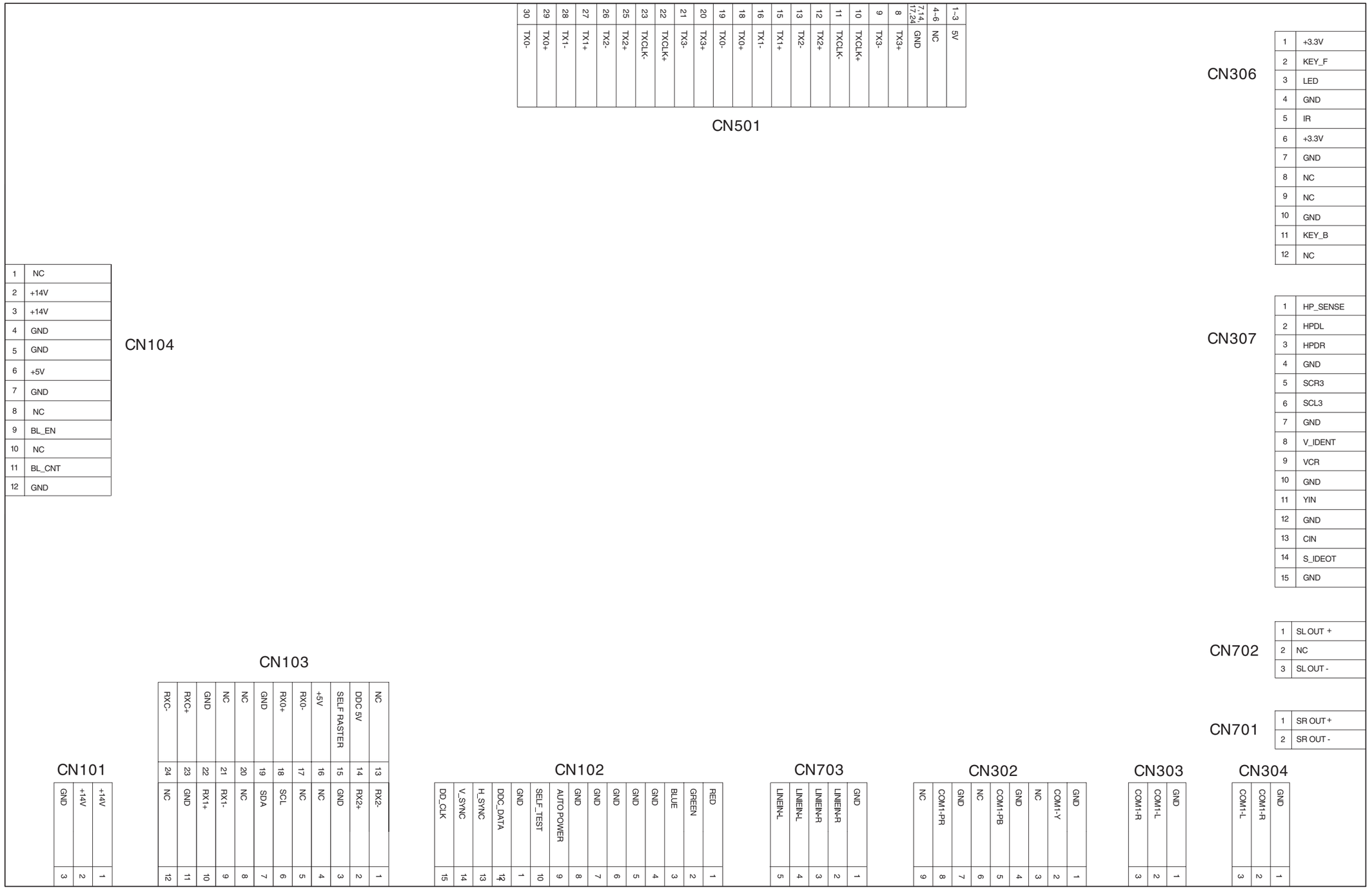
9 Wiring Diagram



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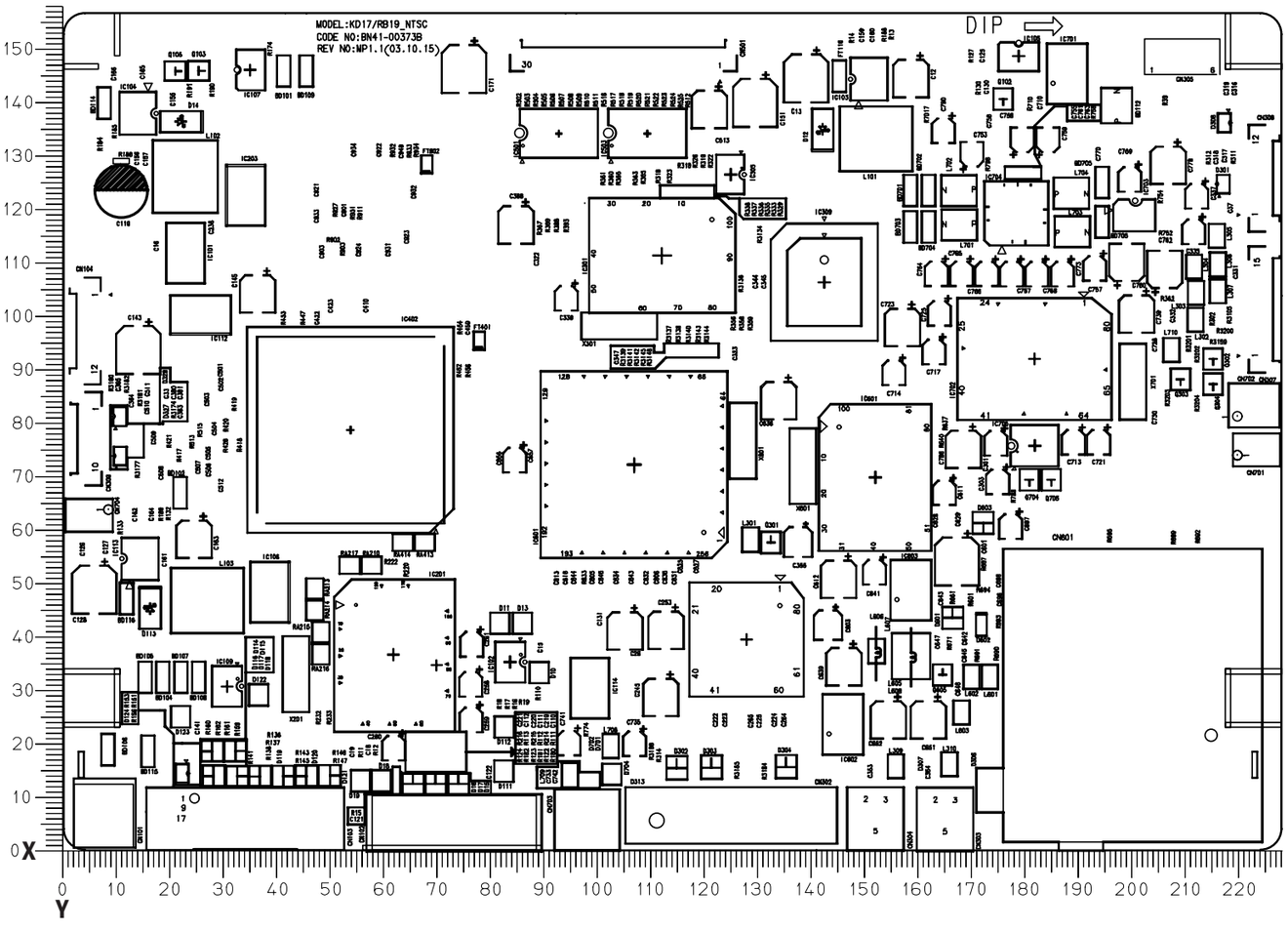
10 PCB Layout

10-1 Main PCB Layout



Loc. No.	Description	X	Y
DIODE			
D10	DIODE-ZENER	89	33.3
D11	DIODE-ZENER	81.65	42.55
D110	DIODE-ZENER	82.4	18.1
D111	DIODE-ZENER	82.4	14.8
D112	DIODE-ZENER	82.5	23.1
D113	DIODE-RECTIFIER	16.2	45.3
D114	DIODE-SWITCHING	27.8	18.5
D115	DIODE-SWITCHING	32.2	18.6
D116	DIODE-SWITCHING	28.047	13.876
D117	DIODE-SWITCHING	32.503	13.857
D118	DIODE-SWITCHING	36.761	13.797
D119	DIODE-SWITCHING	41.158	13.896
D12	DIODE-RECTIFIER	142.1	135.2
D120	DIODE-SWITCHING	45.429	13.897
D121	DIODE-SWITCHING	49.873	14.016
D122	DIODE-ZENER	36.5	29.1
D123	DIODE-ZENER	21.9	25
D124	DIODE-ZENER	22.3	14.4
D125	DIODE-ZENER	19.5	17.9
D13	DIODE-ZENER	85.85	42.55
D14	DIODE-RECTIFIER	21.9	136.6
D15	DIODE-SWITCHING	73.9	12.4
D16	DIODE-SWITCHING	65.4	12.4
D17	DIODE-SWITCHING	69.6	12.4
D18	DIODE-ZENER	59.5	13
D19	DIODE-ZENER	55.6	13
D301	DIODE-ZENER	217	124.9
D302	DIODE-ZENER	114.75	15.35
D303	DIODE-ZENER	121.25	15.45
D304	DIODE-ZENER	135.25	15.55
D305	DIODE-ZENER	217	120.1
D306	DIODE-TVS	168.8	16.5
D307	DIODE-TVS	158.75	16.15
D308	DIODE-ZENER	217.4	136.4
D310	DIODE-ZENER	219	98.3
D311	DIODE-ZENER	219	107.9
D312	DIODE-TVS	211.9	99.3
D313	DIODE-TVS	107.33	15.04
D318	DIODE-TVS	211.9	104.8
D319	DIODE-TVS	211.65	109.4
D320	DIODE-TVS	215.9	114.7
D321	DIODE-TVS	216.1	107.1
D327	DIODE-ZENER	10.5	73.9
D328	DIODE-ZENER	10.4	81.3
D329	DIODE-TVS	216.1	100.4
D601	DIODE-SWITCHING	166.4	43.6
D602	DIODE-ZENER	171.8	42.2
D603	DIODE-SWITCHING	172.2	61.3
D701	DIODE-TVS	99.7	16.6
D702	DIODE-TVS	97.85	16.6
D704	DIODE-ZENER	102.65	14.2
IC			
IC101	IC-POSI.FIXED REG.	22.8	112

Loc. No.	Description	X	Y
IC102	IC-EEPROM	83.6	35.25
IC103	IC-SWITCH VOL. REG.	150.763	144.595
IC104	IC-SWITCH VOL. REG.	13.9	138.2
IC105	FET-SILICON	178.802	148.895
IC106	IC-POSI.FIXED REG.	38.6	48.4
IC107	FET-SILICON	34.9	146.3
IC108	IC-CMOS LOGIC	49	22.1
IC109	IC-EEPROM	30.6	30.7
IC112	IC-VOLTAGE REGULATOR	25.7	100.4
IC113	IC-SWITCH VOL. REG.	14.3	54.6
IC114	IC-POSI.FIXED REG.	98.5	30.3
IC201	IC-LCD CONTROLLER	61.75	36.65
IC202	IC-A/D CONVERTER	127.85	39.5
IC203	IC-POSI.FIXED REG.	34.1	122.8
IC301	IC-DECODER	112	111.5
IC302	IC-CMOS LOGIC	129.5	93.4
IC303	IC-CMOS LOGIC	90.8	114.25
IC304	IC-VOL. DETECTOR	94.1	101.7
IC305	IC-EEPROM	124.9	126.7
IC306	IC-CMOS LOGIC	131	116.8
IC307	IC-CMOS LOGIC	117.9	96.3
IC308	IC-CMOS LOGIC	130.8	108
IC309	IC-EPROM	142.4	106.5
IC402	IC-LCD CONTROLLER	53.72	78.792
IC501	IC-TRANSMITTER	92.7	134.4
IC502	IC-DRAM	22.5	78.9
IC503	IC-TRANSMITTER	109.3	134.4
IC601	IC-VIDEO PROCESS	152	69.9
IC602	IC-POSI.FIXED REG.	145.9	24
IC603	IC-POSI.FIXED REG.	158.6	49.2
IC701	IC-POSI.FIXED REG.	187.883	146.015
IC702	IC-SOUND PROCESSOR	181.75	92.1
IC703	IC-AUDIO AMP	200.6	119.05
IC704	IC-AUDIO AMP	178.35	119.4
IC705	IC-CMOS LOGIC	181.8	75.85
IC801	IC-DISPLAY DRIVER	106.8	72.3
IC802	IC-DRAM	108.4	55.9
IC901	IC-VIDEO PROCESS	56.4	120.6
TRANSISTOR			
Q101	TR-SMALL SIGNAL	170.85	148.3
Q102	TR-SMALL SIGNAL	175.902	140.845
Q103	TR-SMALL SIGNAL	25.3	146.15
Q105	TR-SMALL SIGNAL	20.9	146.1
Q301	TR-SMALL SIGNAL	132.4	57.7
Q302	TR-SMALL SIGNAL	215.2	92.1
Q303	TR-SMALL SIGNAL	209.1	88.3
Q304	TR-SMALL SIGNAL	215.2	87.4
Q602	TR-SMALL SIGNAL	144.1	48
Q605	TR-SMALL SIGNAL	164.55	32.85
Q703	TR-SMALL SIGNAL	160.8	128.8
Q704	TR-SMALL SIGNAL	180.8	69.45
Q705	TR-SMALL SIGNAL	184.9	69.45

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11 Schematic Diagrams

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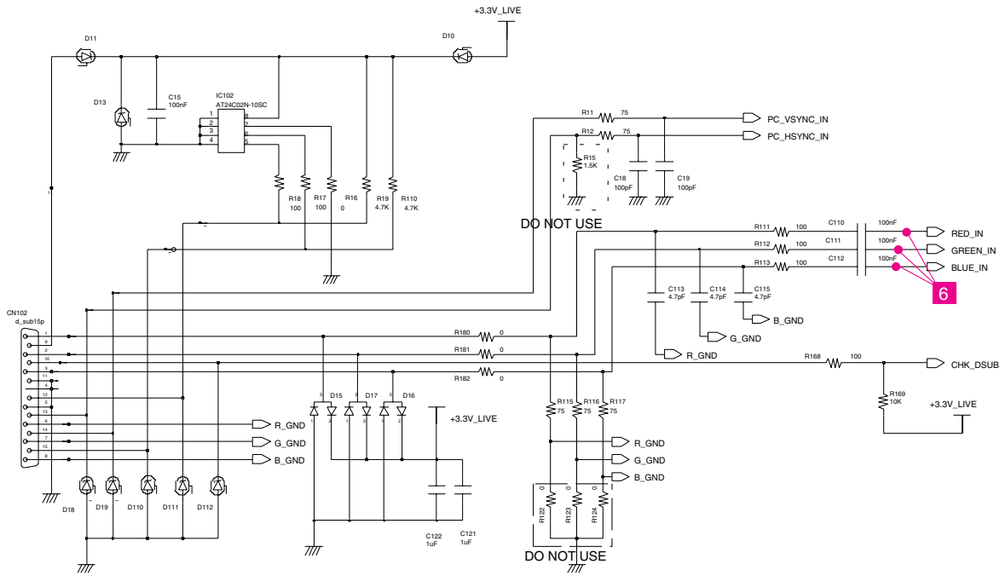
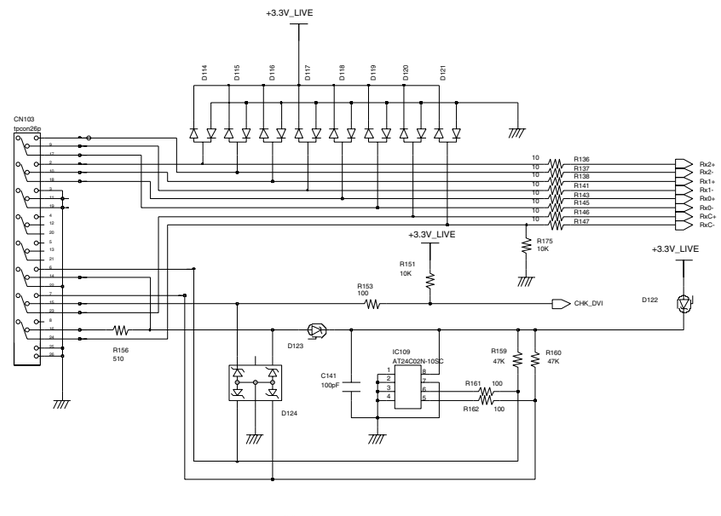
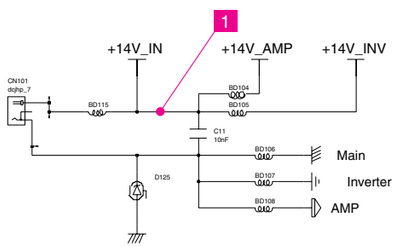
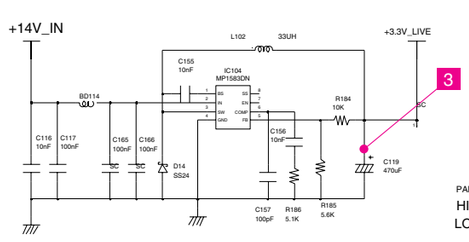
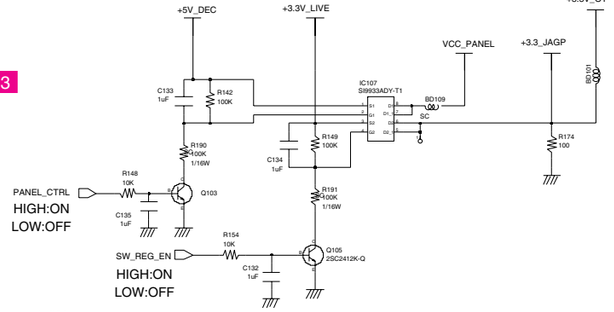
11-1 Power and PC Input Part Schematic Diagram

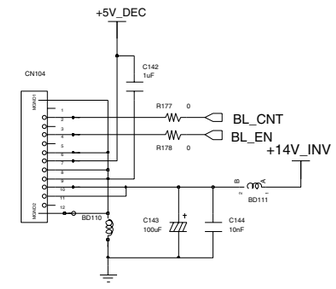


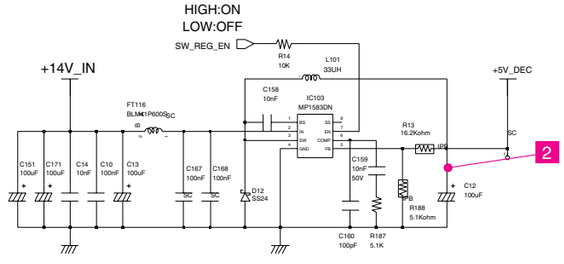


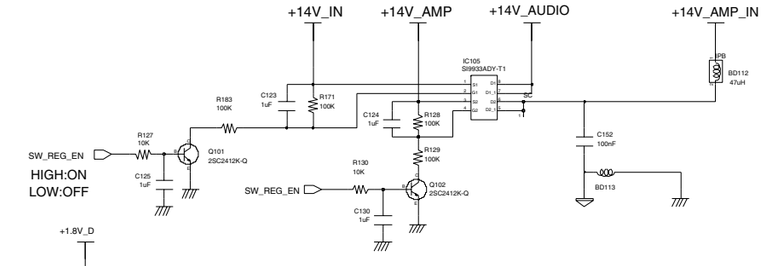


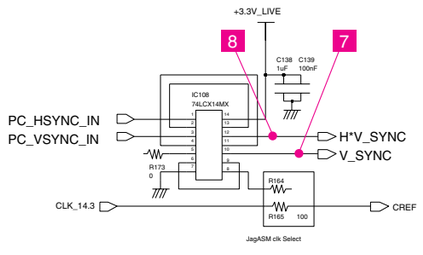


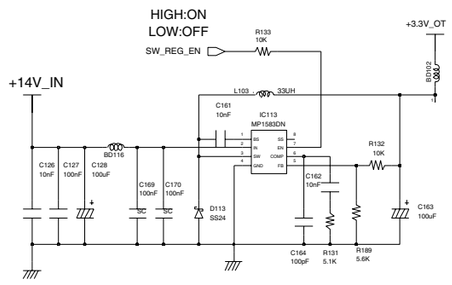


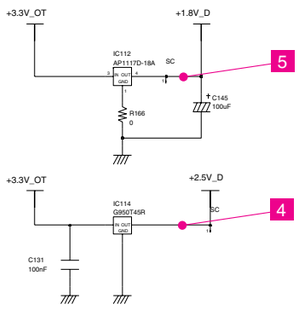


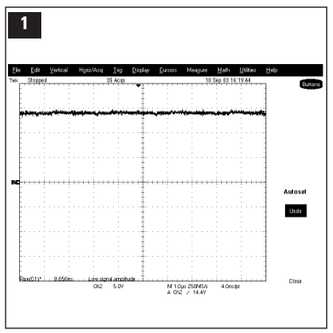








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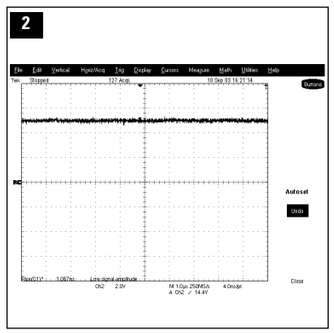
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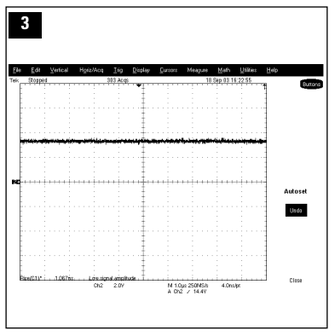
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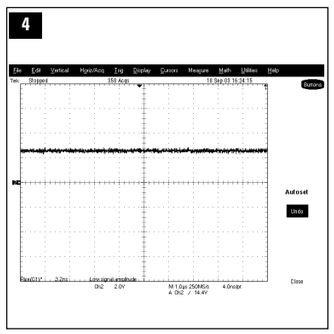
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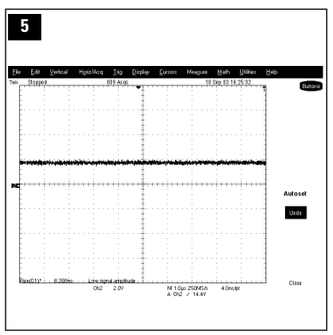
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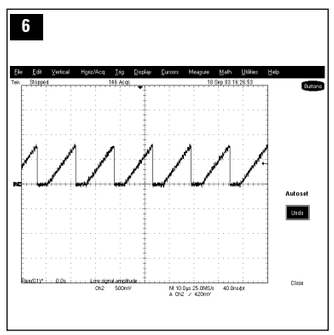
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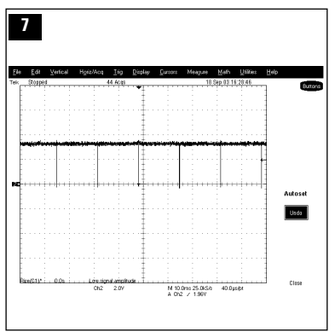
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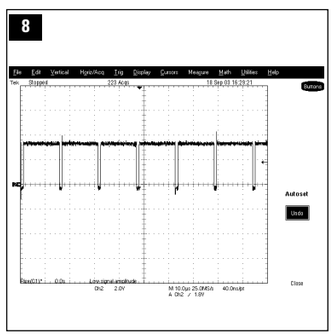
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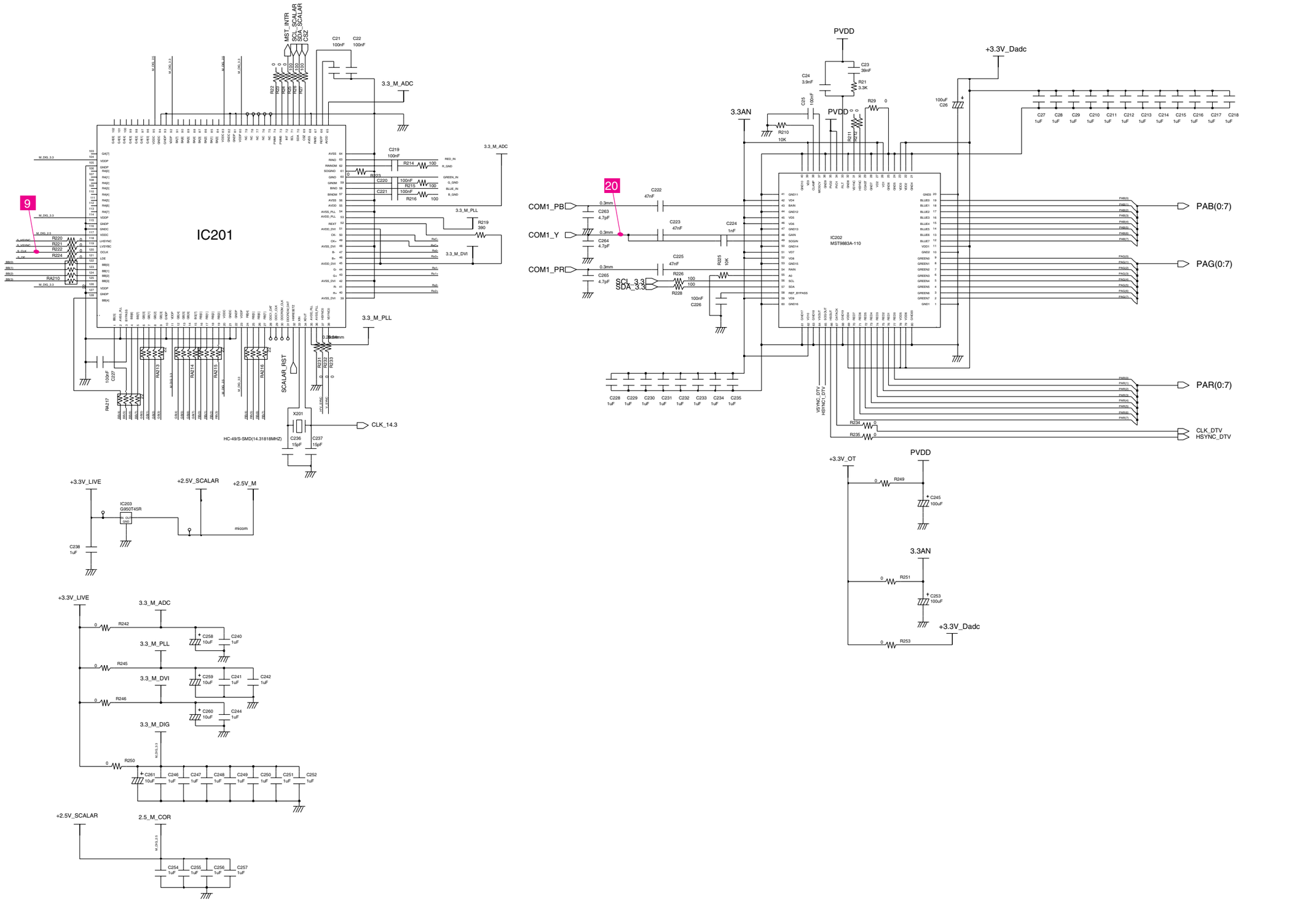
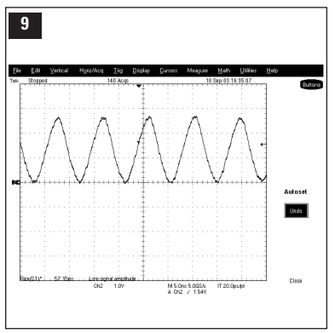
11-2 Scalar ADC Part Schematic Diagram

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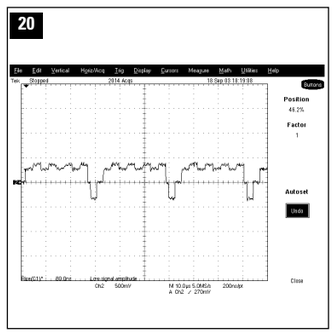
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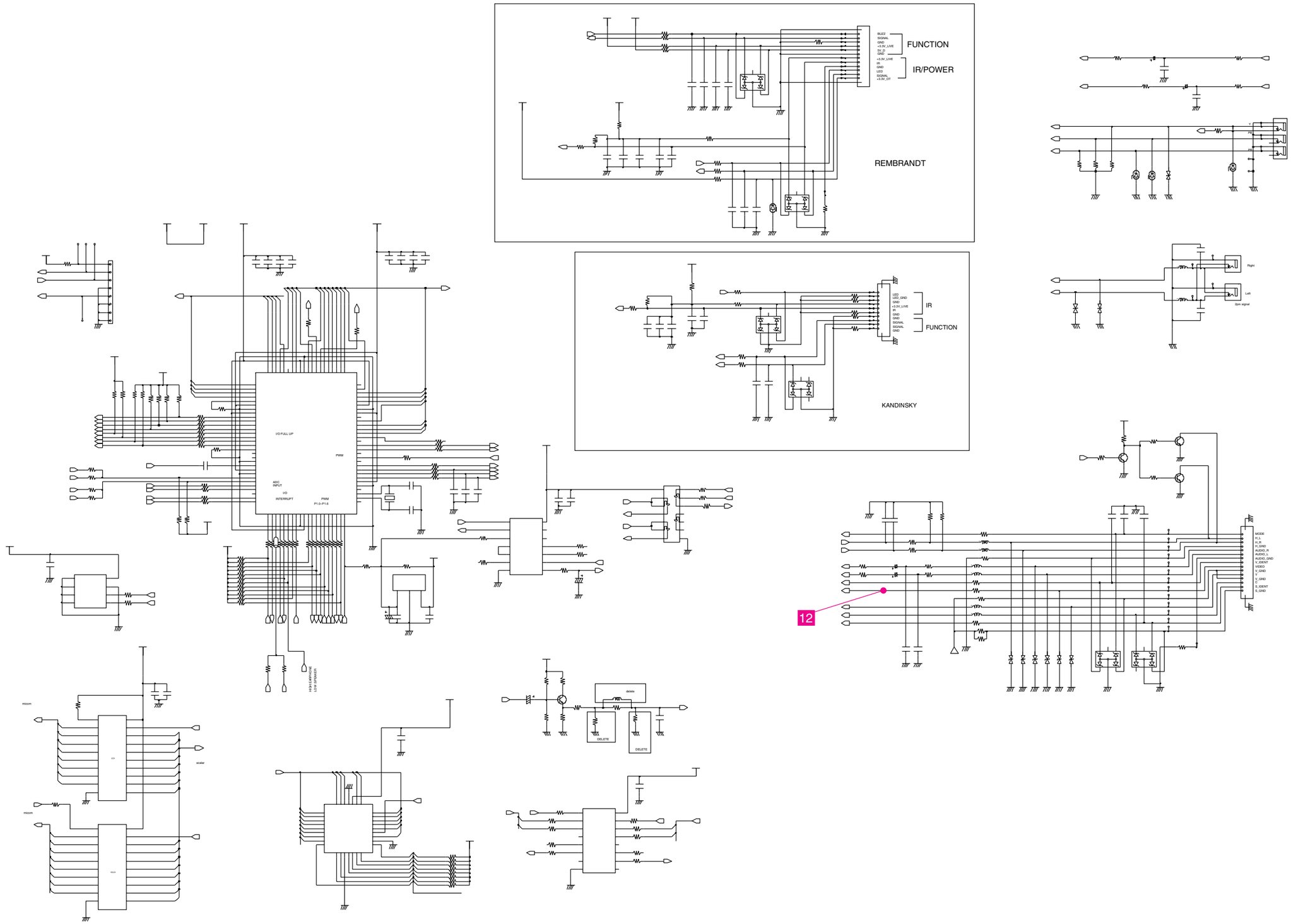
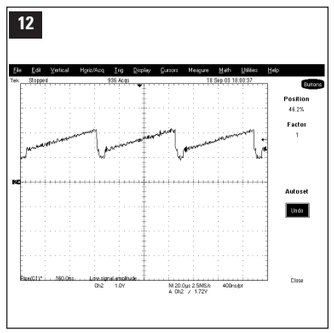
11-3 MICOM Part Schematic Diagram

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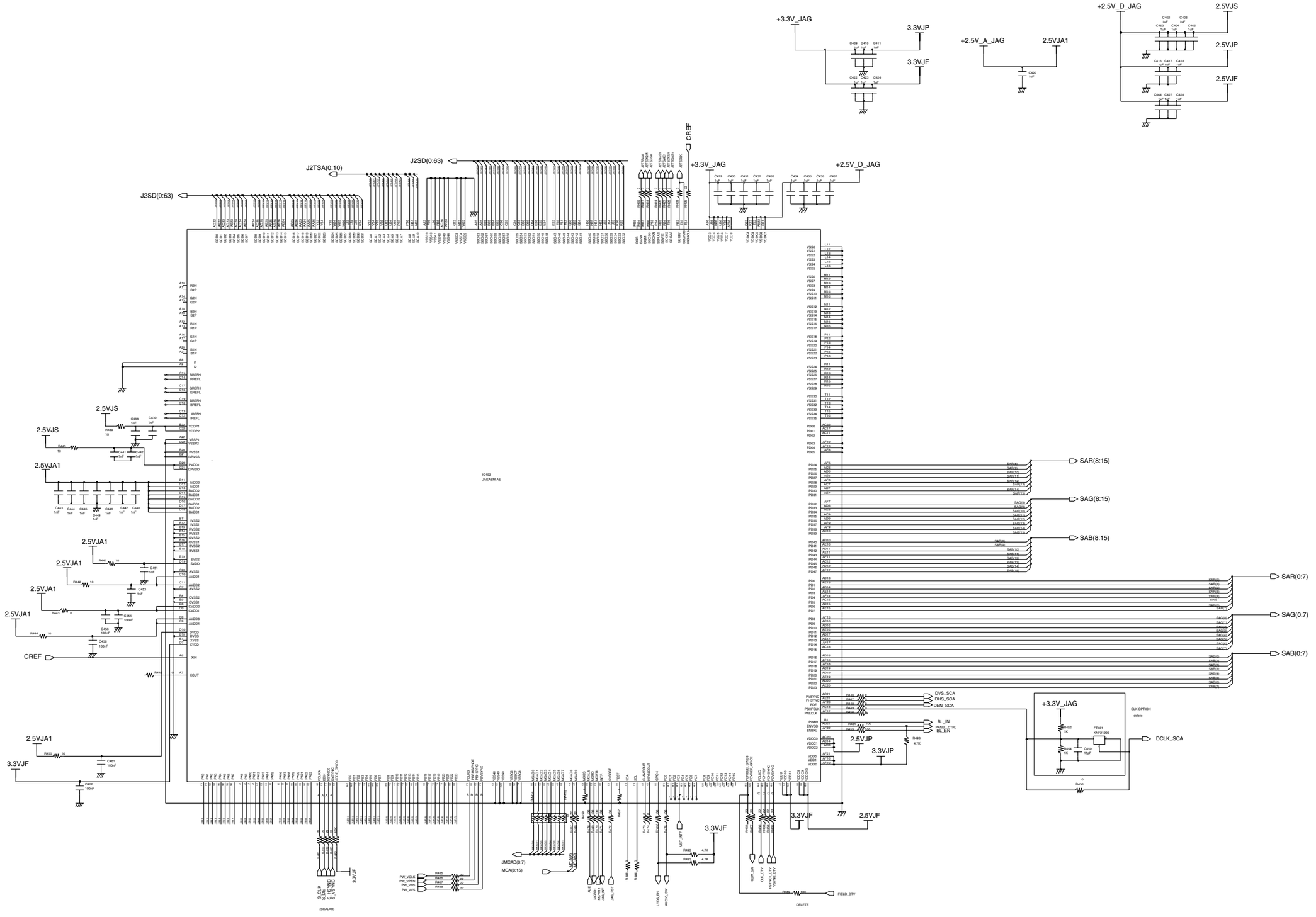
11-4 Scaler Part Schematic Diagram



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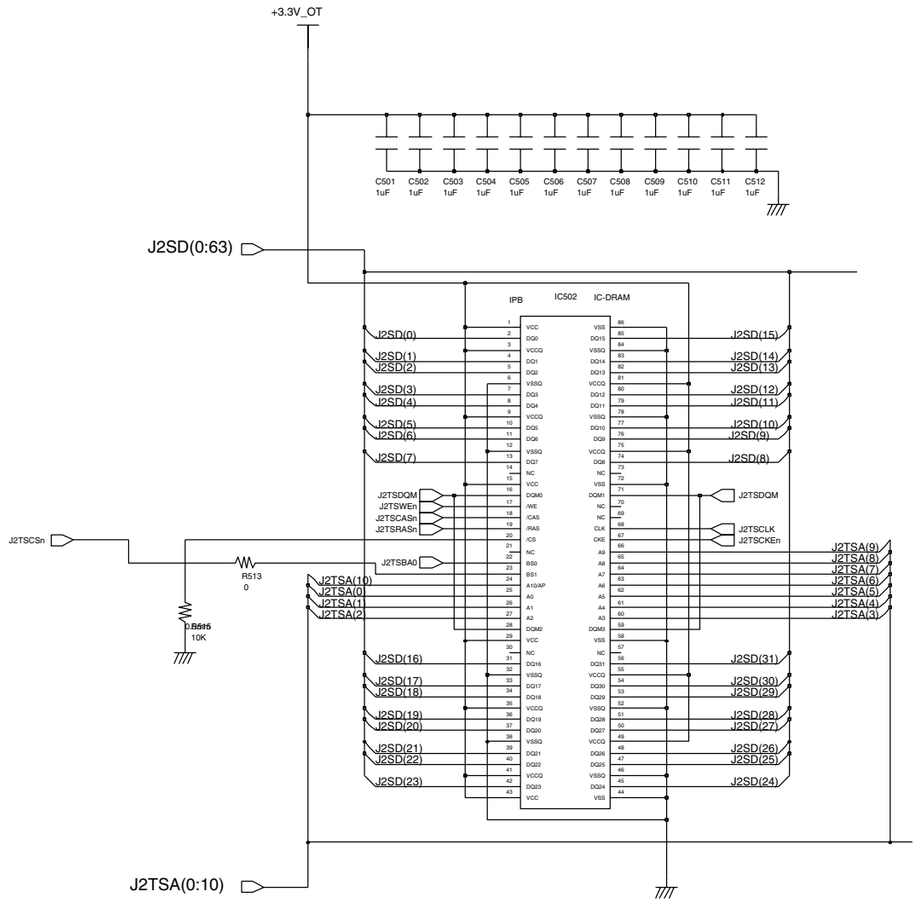
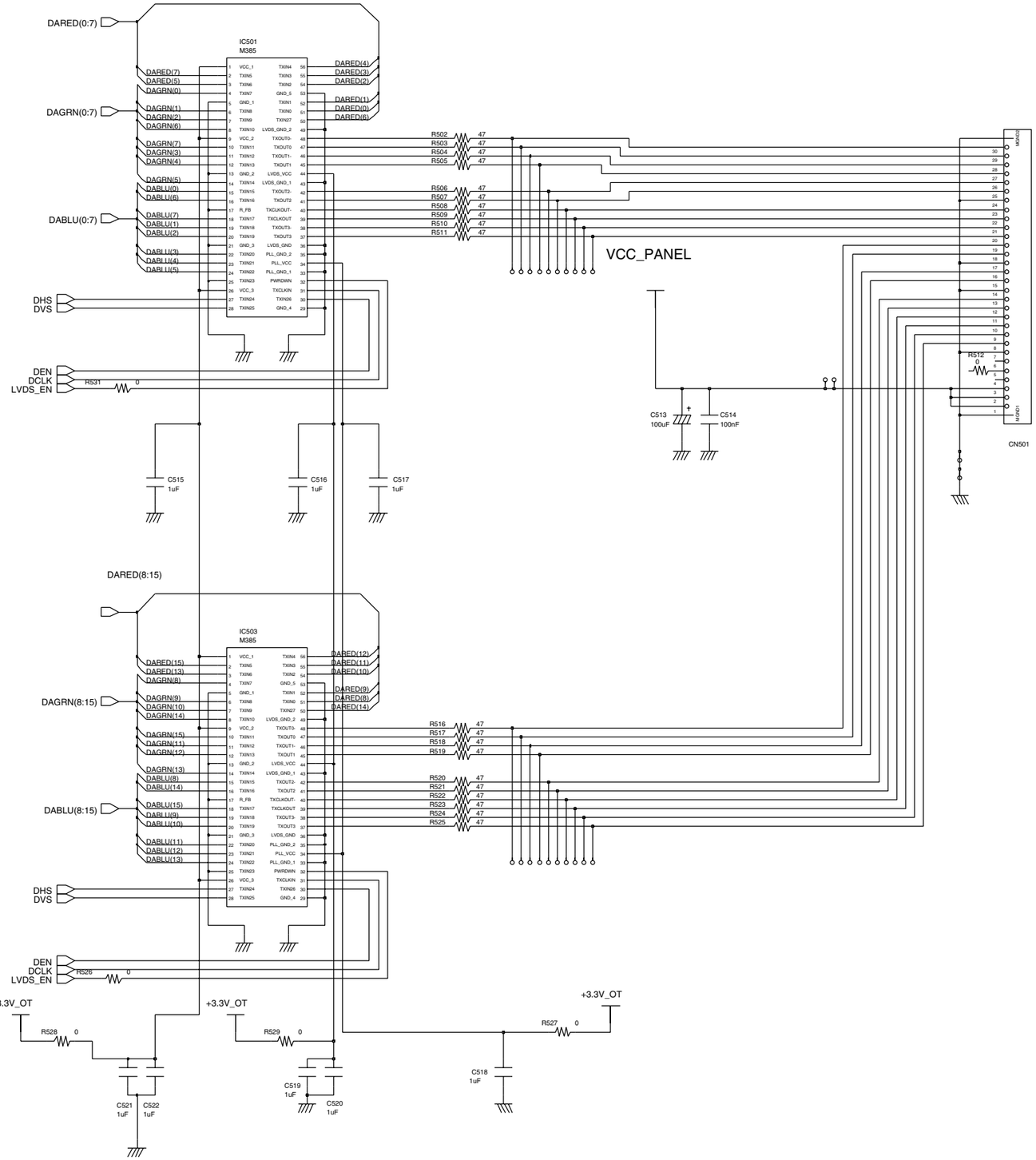
11-5 RAM and LVDS Part Schematic Diagram





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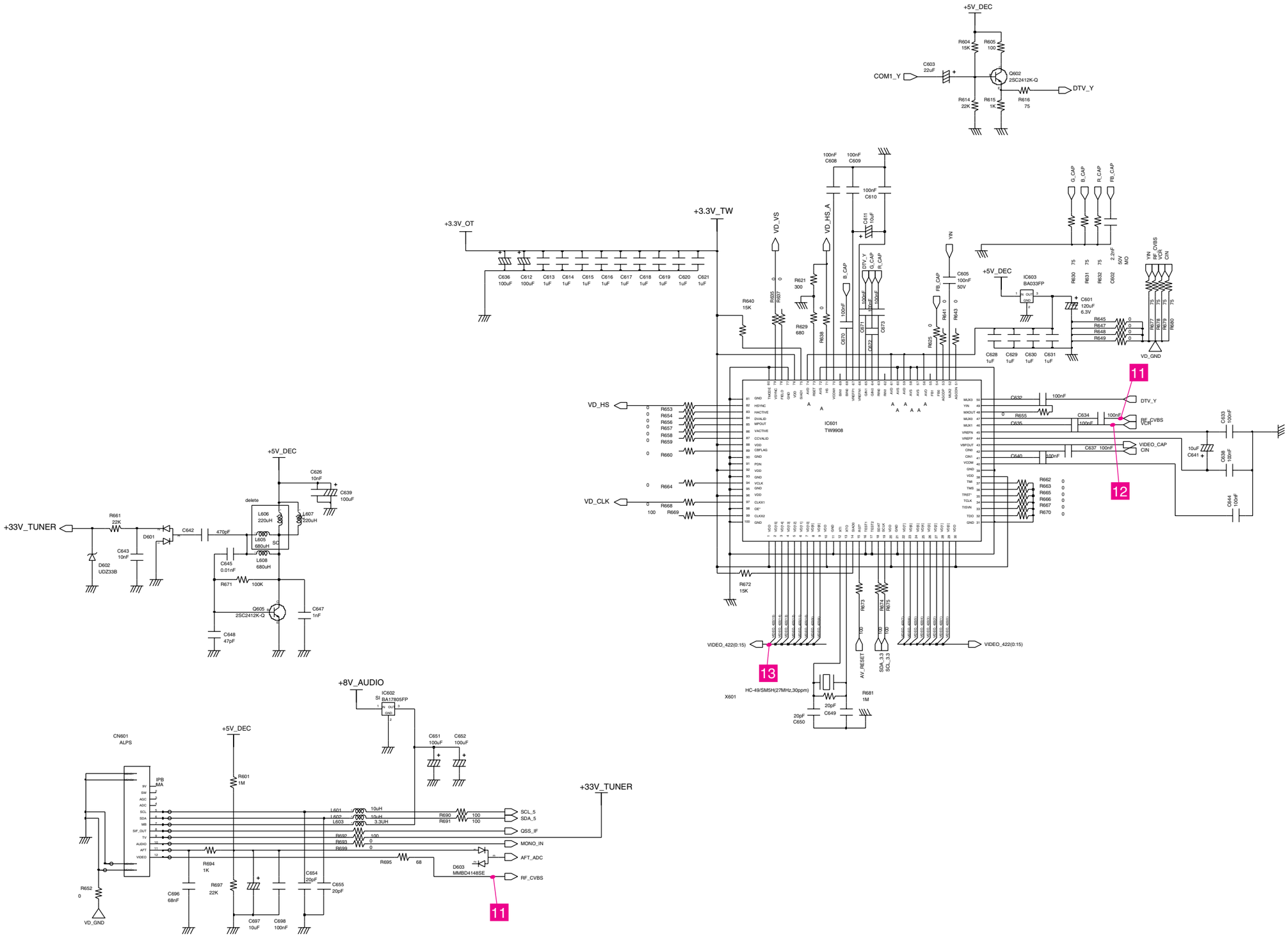
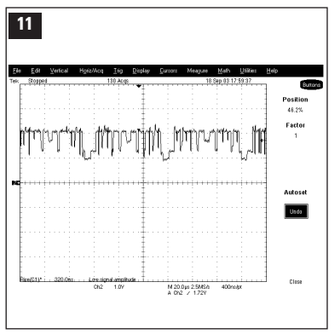
11-6 Tuner and Video Part Schematic Diagram

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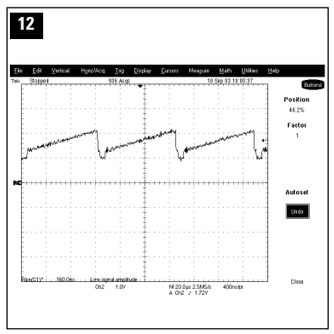
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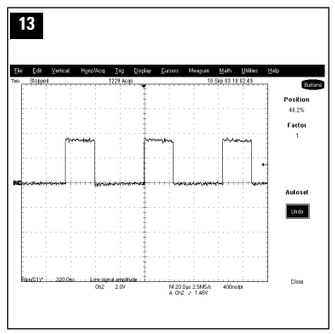
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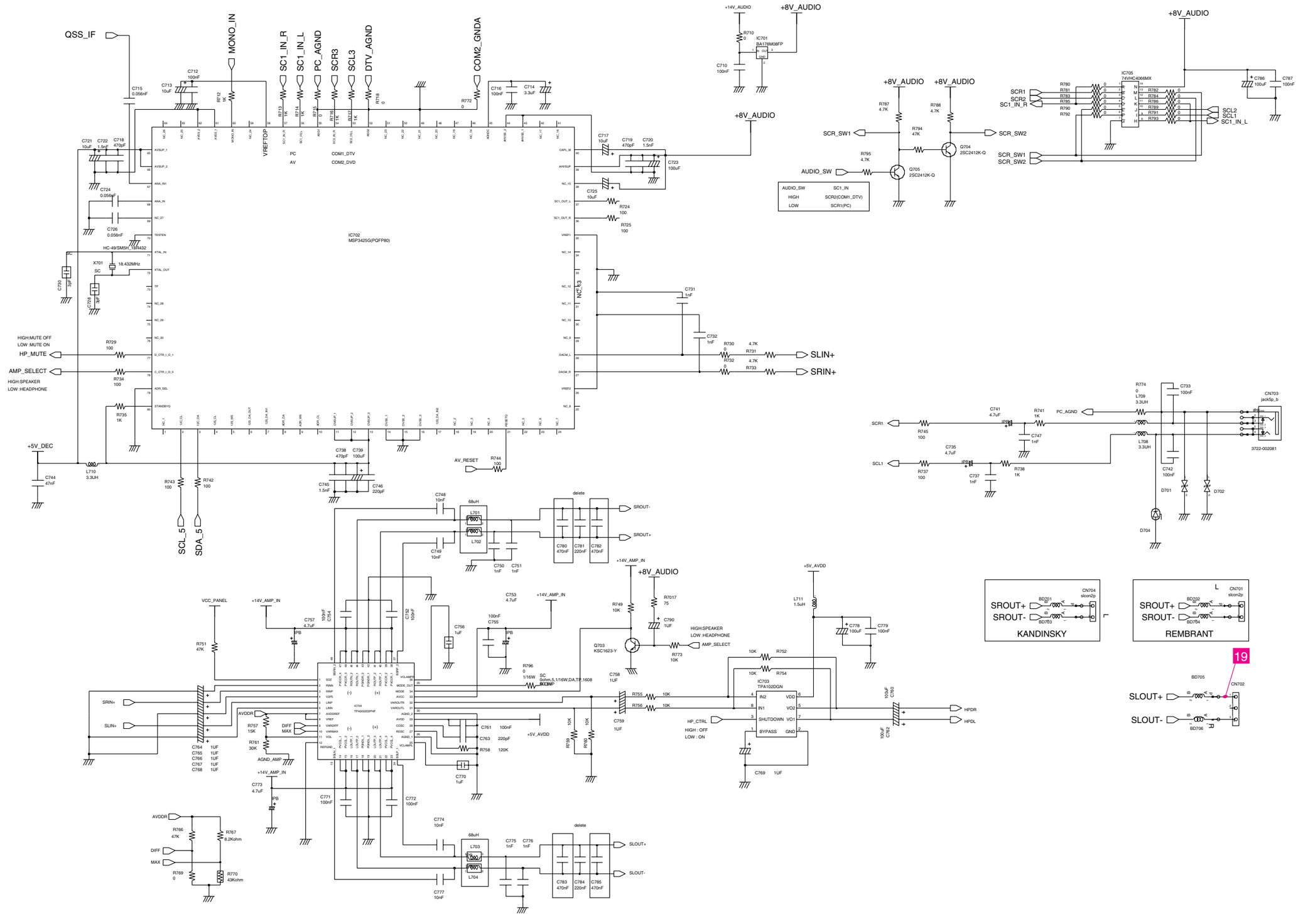
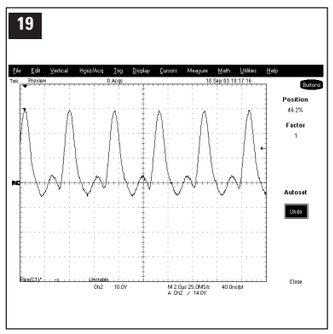
11-7 Audio Part Schematic Diagram

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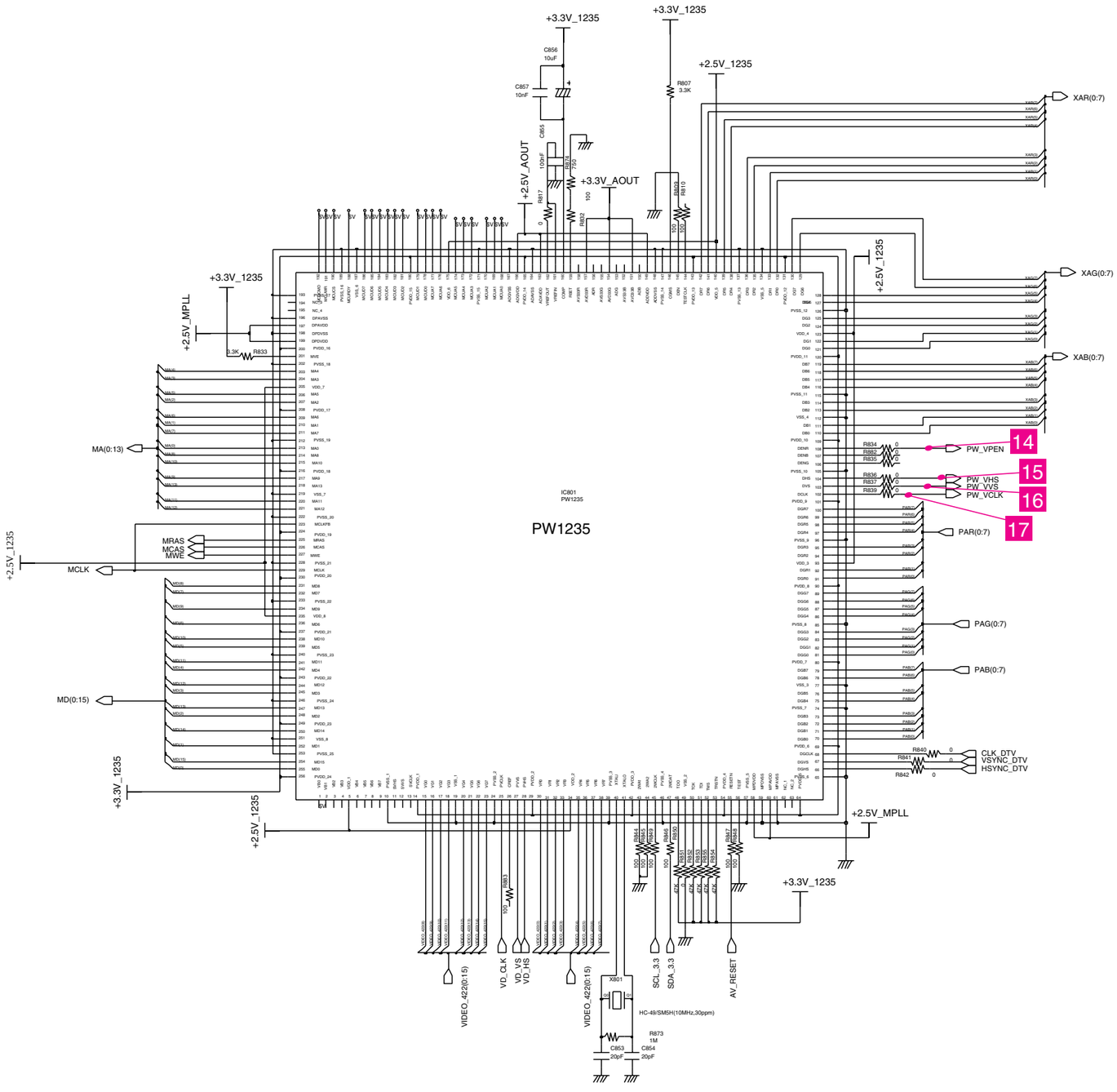
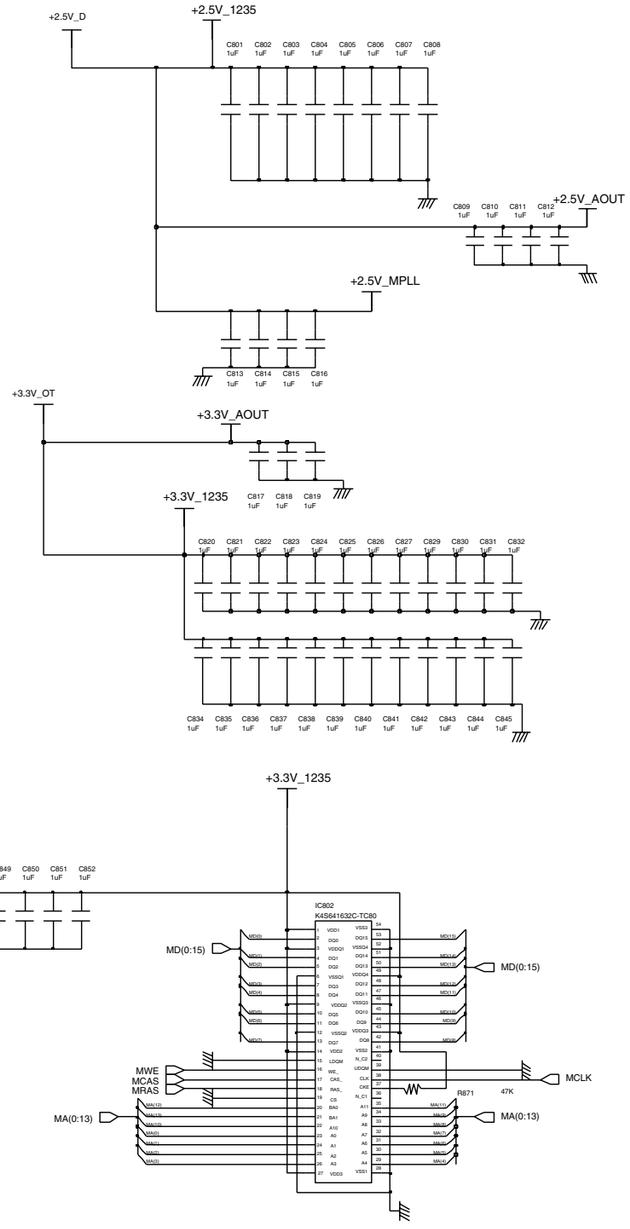
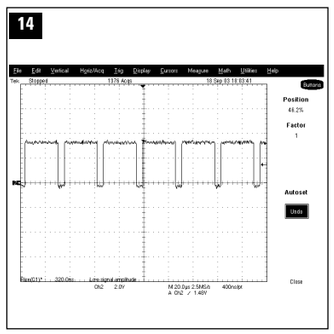
11-8 Deinterace Part Schematic Diagram



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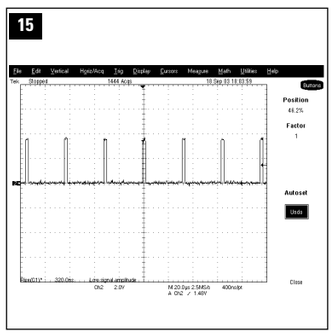
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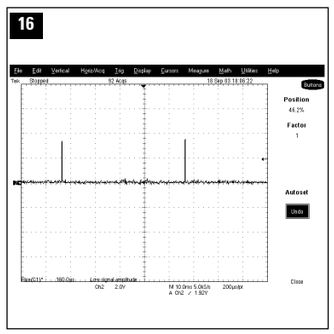
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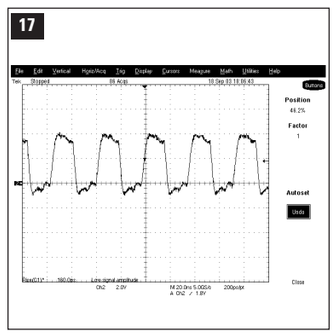
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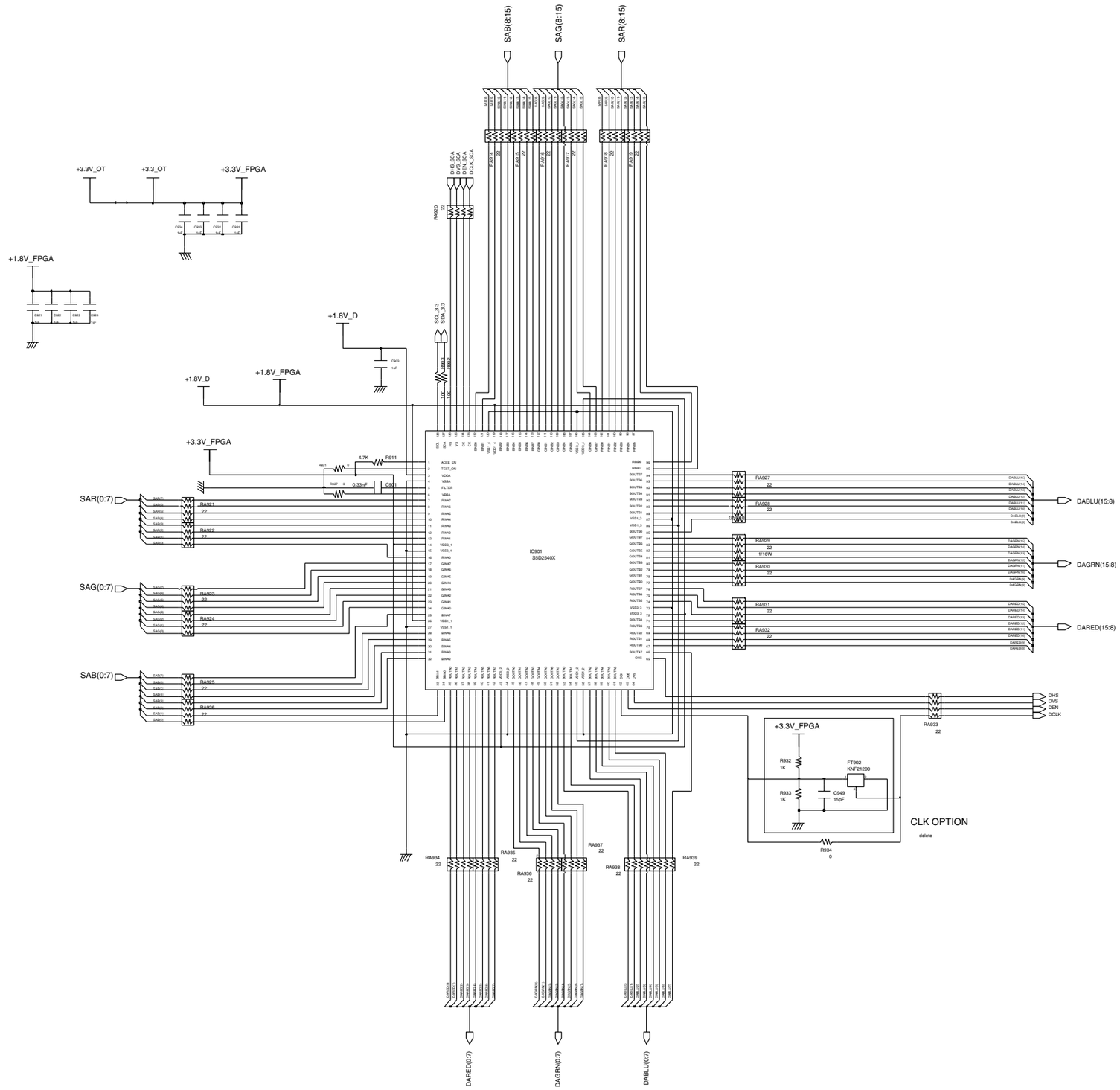
11-9 DNIe (ACE) Part Schematic Diagram



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